

Xpress Monoclonal Antibody

Catalog NumberR910-25

Product data sheet

| Details | | Species Reactivity | |
|--------------------|--|------------------------------|---------------------------|
| Size | 50 µL | Species reactivity | Tag |
| Host/Isotope | Mouse / IgG1 | Published species | Tag, Human, Mouse |
| Class | Monoclonal | Tested Applications | |
| Type | Antibody | ELISA (ELISA) | Dilution *Assay-dependent |
| Immunogen | Xpress synthetic peptide Asp-Leu-Tyr-Asp-Asp-Asp-Asp-Lys | Immunoprecipitation (IP) | Assay-dependent |
| Conjugate | Unconjugated | Western Blot (WB) | Assay-dependent |
| Form | Liquid | Immunocytochemistry (ICC/IF) | Assay-dependent |
| Purification | purified | Published Applications | |
| Contains | <0.1% sodium azide | Western Blot (WB) | See 59 publications below |
| Storage Conditions | 4° C | Immunocytochemistry (ICC/IF) | See 9 publications below |
| | | Gel Shift (GS) | See 1 publications below |
| | | Immunoprecipitation (IP) | See 8 publications below |
| | | Miscellaneous PubMed (Misc) | See 2 publications below |
| | | ELISA (ELISA) | See 1 publications below |
| | | ChIP assay (ChIP) | See 1 publications below |
| | | Immunohistochemistry (IHC) | See 1 publications below |
| | | Neutralization (Neu) | See 1 publications below |

* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.

Product specific information

NOTE: R910-25 was previously sold under product #46-0528. When re-ordering, please use #R910-25. R910-25 is designed to specifically interact with the Xpress™ leader peptide (-Asp-Leu-Tyr-Asp-Asp-Asp-Asp-Lys-). R910-25 is tested in Western blot against 100 ng of an E. coli expressed fusion protein containing the Xpress epitope. This product contains enough material for 25 Western blots.

Background/Target Information

Epitope tags provide a method to localize gene products in a variety of cell types, study the topology of proteins and protein complexes, identify associated proteins, and characterize newly identified, low abundance or poorly immunogenic proteins when protein specific antibodies are not available. Epitope tag detection with an unconjugated antibody requires the use of a secondary antibody that carries a reporter for detection. Unconjugated antibodies let you choose the detection method which best suits your needs. They are also useful for the detection of weak signals, since a secondary antibody can amplify the signal. Xpress sequence: DLYDDDDK (Asp-Leu-Tyr-Asp-Asp-Asp-Asp-Lys).

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PubMed References For Xpress Monoclonal Antibody

59 Western Blot References

| Species / Dilution | Summary |
|--------------------|---|
| Tag / 1:2000 | <p>R910-25 was used in Western Blotting to suggest that yeast ubiquitin chain elongation factors E4, Ufd2p, functions by switching ubiquitin chain linkages to allow proteasome degradation of proteins modified with atypical ubiquitin linkage.</p> <p>Nature communications (2017; 8:) "Ufd2p synthesizes branched ubiquitin chains to promote the degradation of substrates modified with atypical chains." Author(s):Liu C,Liu W,Ye Y,Li W PubMed Article URL:http://dx.doi.org/10.1038/ncomms14274</p> |
| Tag / 1:5,000 | <p>R910-25 was used in Western Blotting to identify recurring ZBTB7A mutations in acute myeloid leukaemia with t(8;21) translocation.</p> <p>Nature communications (2016; 7:) "ZBTB7A mutations in acute myeloid leukaemia with t(8;21) translocation." Author(s):Hartmann L,Dutta S,Opatz S,Vosberg S,Reiter K,Leubolt G,Metzeler KH,Herold T,Bamopoulos SA,Brändl K,Zellmeier E,Ksienzyk B,Konstandin NP,Schneider S,Hopfner KP,Graf A,Krebs S,Blum H,Middeke JM,Stölzel F,Thiede C,Wolf S,Bohlender SK,Preiss C,Chen-Wichmann L,Wichmann C,Sauerland MC,Büchner T,Berdel WE,Wörmann BJ,Braess J,Hiddemann W,Spiekermann K,Greif PA PubMed Article URL:http://dx.doi.org/10.1038/ncomms11733</p> |
| Tag / Not Cited | <p>R910-25 was used in Western Blotting to investigate DYRK1A interactions in Down syndrome.</p> <p>The Journal of biological chemistry (2021; 296:) "Protein phosphatase PPM1B inhibits DYRK1A kinase through dephosphorylation of pS258 and reduces toxic tau aggregation." Author(s):Lee YH,Im E,Hyun M,Park J,Chung KC PubMed Article URL:http://dx.doi.org/10.1074/jbc.RA120.015574</p> |
| Tag / 1:2500 | <p>R910-25 was used in western blot to analyze altered amyloid beta 42 production in conjunction with conformational changes in transmembrane domain 4 of presenilin 1</p> <p>The Journal of neuroscience : the official journal of the Society for Neuroscience (2016; 36: 1362) "Conformational Changes in Transmembrane Domain 4 of Presenilin 1 Are Associated with Altered Amyloid- 42 Production." Author(s):Tominaga A,Cai T,Takagi-Niidome S,Iwatsubo T,Tomita T PubMed Article URL:http://dx.doi.org/10.1523/JNEUROSCI.5090-14.2016</p> |
| Tag / 1:200 | <p>R910-25 was used in Western Blotting to identify a non-vesicular lipid transport machinery between Golgi and plasma membrane maintaining the oncogenic signaling competence initiating T-cell deterioration and leukemogenesis.</p> <p>Nature communications (2022; 13:) "An acquired phosphatidylinositol 4-phosphate transport initiates T-cell deterioration and leukemogenesis." Author(s):Zhong W,Lin W,Yang Y,Chen D,Cao X,Xu M,Pan G,Chen H,Zheng J,Feng X,Yang LH,Lai C,Oikkonen VM,Xu J,Cui S,Yan D PubMed Article URL:http://dx.doi.org/10.1038/s41467-022-32104-7</p> |
| Tag / Not Cited | <p>R910-25 was used in western blot to determine which regions in FOXC1 are required for nuclear localization and transcriptional regulation</p> <p>The Journal of biological chemistry (2002; 277: 10292) "FOXC1 transcriptional regulation is mediated by N- and C-terminal activation domains and contains a phosphorylated transcriptional inhibitory domain." Author(s):Berry FB,Saleem RA,Walter MA PubMed Article URL:http://dx.doi.org/10.1074/jbc.M110266200</p> |
| Tag / 1:1000 | <p>R910-25 was used in Western Blotting to report that YAP is subject to non-proteolytic, K63-linked polyubiquitination by the SCFSKP2 E3 ligase complex and reversed by the deubiquitinase OTUD1.</p> <p>Nature communications (2018; 9:) "SKP2- and OTUD1-regulated non-proteolytic ubiquitination of YAP promotes YAP nuclear localization and activity." Author(s):Yao F,Zhou Z,Kim J,Hang Q,Xiao Z,Ton BN,Chang L,Liu N,Zeng L,Wang W,Wang Y,Zhang P,Hu X,Su X,Liang H,Sun Y,Ma L PubMed Article URL:http://dx.doi.org/10.1038/s41467-018-04620-y</p> |

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| | R910-25 was used in Western Blotting to suggest that trimethylation of H3K36 plays an important role in the recombination process. |
| Tag / 1:3,000 | <p>PLoS genetics (2016; 12:) "The Meiotic Recombination Activator PRDM9 Trimethylates Both H3K36 and H3K4 at Recombination Hotspots In Vivo." Author(s):Powers NR,Parvanov ED,Baker CL,Walker M,Petkov PM,Paigen K PubMed Article URL:http://dx.doi.org/10.1371/journal.pgen.1006146</p> |
| | R910-25 was used in western blot to investigate the effect of MDM2 oncoprotein on the expression of p63 |
| Tag / Not Cited | <p>The Journal of biological chemistry (2002; 277: 2674) "The human MDM2 oncoprotein increases the transcriptional activity and the protein level of the p53 homolog p63." Author(s):Calabrò V,Mansueto G,Parisi T,Vivo M,Calogero RA,La Mantia G PubMed Article URL:http://dx.doi.org/10.1074/jbc.M107173200</p> |
| | R91025 was used in western blot to examine the contribution of USP15-TRIM25 to neuroinflammation |
| Tag / 1:1000 | <p>Nature immunology (2017; 18: 54) "USP15 regulates type I interferon response and is required for pathogenesis of neuroinflammation." Author(s):Torre S,Polyak MJ,Langlais D,Fodil N,Kennedy JM,Radovanovic I,Berghout J,Leiva-Torres GA,Krawczyk CM,Ilangumaran S,Mossman K,Liang C,Knobeloch KP,Healy LM,Antel J,Arbour N,Prat A,Majewski J,Lathrop M,Vidal SM,Gros P PubMed Article URL:http://dx.doi.org/10.1038/ni.3581</p> |
| | R910-25 was used in Western Blotting to support promoter-specific differential activities of hERbeta isoforms with respect to models of ERalpha regulated gene expression, and suggest that they may have a role in differentially modulating estrogen action. |
| Tag / 1:5000 | <p>Journal of molecular endocrinology (2003; 30: 13) "Putative functional characteristics of human estrogen receptor-beta isoforms." Author(s):Peng B,Lu B,Leygue E,Murphy LC PubMed Article URL:http://dx.doi.org/10.1677/jme.0.0300013</p> |
| | R910-25 was used in Western Blotting to elucidate a simple mechanism for explaining why active genes are not methylated, maintained by a dynamic balance of methylation and demethylation activities and the local state of histone acetylation. |
| Tag / 1:5,000 | <p>The Journal of biological chemistry (2001; 276: 40778) "Demethylase activity is directed by histone acetylation." Author(s):Cervoni N,Szyf M PubMed Article URL:http://dx.doi.org/10.1074/jbc.M103921200</p> |
| | R910-25 was used in Western Blotting to demonstrate RGMa protein interacts with C-terminal fragment of amyloid beta precursor protein and amyloid plaques and to show that RGM, produced by TGF-activated astrocytes and accumulated in amyloid plaques and the glial scar, could contribute to the regenerative failure of degenerating axons in Alzheimer's disease brains. |
| Tag / Not Cited | <p>Neuropathology and applied neurobiology (2013; 39: 109) "Accumulation of a repulsive axonal guidance molecule RGMa in amyloid plaques: a possible hallmark of regenerative failure in Alzheimer's disease brains." Author(s):Satoh J,Tabunoki H,Ishida T,Saito Y,Arima K PubMed Article URL:http://dx.doi.org/10.1111/j.1365-2990.2012.01281.x</p> |
| | R910-25 was used in Western Blotting to indicate that targeted ubiquitination regulates the strength of the TCR signal and differentiation toward the TH2 lineage. |
| Tag / Not Cited | <p>Nature immunology (2018; 19: 766) "The E3 ligases Itch and WWP2 cooperate to limit T_H2 differentiation by enhancing signaling through the TCR." Author(s):Aki D,Li H,Zhang W,Zheng M,Elly C,Lee JH,Zou W,Liu YC PubMed Article URL:http://dx.doi.org/10.1038/s41590-018-0137-8</p> |
| | R910-25 was used in western blot to identify and characterize FOG-2, a modulator of GATA-4 function during cardiac development |
| Tag / Not Cited | <p>Proceedings of the National Academy of Sciences of the United States of America (1999; 96: 956) "Molecular cloning of FOG-2: a modulator of transcription factor GATA-4 in cardiomyocytes." Author(s):Svensson EC,Tufts RL,Polk CE,Leiden JM PubMed Article URL:http://dx.doi.org/10.1073/pnas.96.3.956</p> |

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| | R910-25 was used in Western Blot to provide a compendium of protein-coding variant associations for future insights into disease biology and drug discovery. |
| Tag / Not Cited | <p>Nature (2022; 603: 95)</p> <p>"Genetic associations of protein-coding variants in human disease."</p> <p>Author(s):Sun BB,Kurki MI,Foley CN,Mechakra A,Chen CY,Marshall E,Wilk JB,Chahine M,Chevalier P,Christé G,Palotie A,Daly MJ,Runz H</p> <p>PubMed Article URL:http://dx.doi.org/10.1038/s41586-022-04394-w</p> |
| | R910-25 was used in western blot to report the collective and comparative immunological analysis of all 4 egg white recombinant allergens. |
| Tag / 0.5 µg/ml | <p>Molecular immunology (2015; 65: 104)</p> <p>"Production and immunological analysis of IgE reactive recombinant egg white allergens expressed in Escherichia coli."</p> <p>Author(s):Dhanapala P,Doran T,Tang ML,Suphioglu C</p> <p>PubMed Article URL:http://dx.doi.org/10.1016/j.molimm.2015.01.006</p> |
| | R910-25 was used in Western Blotting to identify PHD finger protein 7 (PHF7) as an E3 ubiquitin ligase for histone H3K14 in post-meiotic spermatids. |
| Tag / 1:5000 | <p>Cell reports (2020; 32:)</p> <p>"PHF7 Modulates BRDT Stability and Histone-to-Protamine Exchange during Spermiogenesis."</p> <p>Author(s):Kim CR,Noda T,Kim H,Kim G,Park S,Na Y,Oura S,Shimada K,Bang I,Ahn JY,Kim YR,Oh SK,Choi HJ,Kim JS,Jung I,Lee H,Okada Y,Ikawa M,Baek SH</p> <p>PubMed Article URL:http://dx.doi.org/10.1016/j.celrep.2020.107950</p> |
| | R910-25 was used in western blot to study the functional differences between the mouse and human ARF proteins |
| Tag / Not Cited | <p>The Journal of biological chemistry (2002; 277: 36665)</p> <p>"A major functional difference between the mouse and human ARF tumor suppressor proteins."</p> <p>Author(s):Wadhwa R,Sugihara T,Hasan MK,Taira K,Reddel RR,Kaul SC</p> <p>PubMed Article URL:http://dx.doi.org/10.1074/jbc.M203222200</p> |
| | R910-25 was used in Western Blotting to examine the molecular mechanisms underlying the biological functions of serum amyloid A3 protein in mouse colonic epithelial cells. |
| Tag / Not Cited | <p>PloS one (2017; 12:)</p> <p>"The N-terminal region of serum amyloid A3 protein activates NF-B and up-regulates MUC2 mucin mRNA expression in mouse colonic epithelial cells."</p> <p>Author(s):Tashiro M,Iwata A,Yamauchi M,Shimizu K,Okada A,Ishiguro N,Inoshima Y</p> <p>PubMed Article URL:http://dx.doi.org/10.1371/journal.pone.0181796</p> |
| | R910-25 was used in Western Blotting to investigate latency-related gene effect of bovine herpesvirus-1. |
| Tag / Not Cited | <p>Journal of virology (2004; 78: 3184)</p> <p>"A mutation in the latency-related gene of bovine herpesvirus 1 inhibits protein expression from open reading frame 2 and an adjacent reading frame during productive infection."</p> <p>Author(s):Jiang Y,Inman M,Zhang Y,Posadas NA,Jones C</p> <p>PubMed Article URL:http://dx.doi.org/10.1128/jvi.78.6.3184-3189.2004</p> |
| | R910-25 was used in western blot to study the effect of protein kinase A on activation-induced cytidine deaminase |
| Tag / Not Cited | <p>Nature immunology (2009; 10: 420)</p> <p>"Specific recruitment of protein kinase A to the immunoglobulin locus regulates class-switch recombination."</p> <p>Author(s):Vuong BQ,Lee M,Kabir S,Irimia C,Macchiarulo S,McKnight GS,Chaudhuri J</p> <p>PubMed Article URL:http://dx.doi.org/10.1038/ni.1708</p> |
| | R910-25 was used in western blot to study the interactions between Vav and Bcr-Abl |
| Tag / Not Cited | <p>The Journal of biological chemistry (2002; 277: 12437)</p> <p>"Association of Bcr-Abl with the proto-oncogene Vav is implicated in activation of the Rac-1 pathway."</p> <p>Author(s):Bassermann F,Jahn T,Miething C,Seipel P,Bai RY,Coutinho S,Tybulewicz VL,Peschel C,Duyster J</p> <p>PubMed Article URL:http://dx.doi.org/10.1074/jbc.M112397200</p> |
| | R910-25 was used in western blot to determine the role of Pdc4-eIF4A interactions during translation initiation |
| Tag / 1:5000 | <p>RNA (New York, N.Y.) (2005; 11: 261)</p> <p>"Mutational analysis of the DEAD-box RNA helicase eIF4AII characterizes its interaction with transformation suppressor Pdc4 and eIF4GI."</p> <p>Author(s):Zakowicz H,Yang HS,Stark C,Wlodawer A,Laronde-Leblanc N,Colburn NH</p> <p>PubMed Article URL:http://dx.doi.org/10.1261/rna.7191905</p> |

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| | R910-25 was used in western blot to analyze the role of CED-4 in delivering ced-3 mRNA to ribosomes |
| Tag / Not Cited | Biochemical and biophysical research communications (2016; 470: 48) "CED-4 is an mRNA-binding protein that delivers ced-3 mRNA to ribosomes." Author(s):Wang MX,Itoh M,Li S,Hida Y,Ohta K,Hayakawa M,Nishida E,Ueda M,Islam S,Nakagawa T PubMed Article URL: http://dx.doi.org/10.1016/j.bbrc.2015.12.102 |
| | R910-25 was used in Western Blotting to provide evidence that TIEG1 is involved in regulating the canonical Wnt signaling pathway in bone through multiple mechanisms of action. |
| Tag / Not Cited | Nucleic acids research (2017; 45: 5170) "TIEG1 modulates -catenin sub-cellular localization and enhances Wnt signaling in bone." Author(s):Subramaniam M,Cicek M,Pitel KS,Bruinsma ES,Nelson Holte MH,Withers SG,Rajamannan NM,Secreto FJ,Venuprasad K,Hawse JR PubMed Article URL: http://dx.doi.org/10.1093/nar/gkx118 |
| | R910-25 was used in Western Blotting to suggest that ORF-1 expression may be important for the BHV-1 latency-reactivation cycle. |
| Tag / Not Cited | Journal of neurovirology (2007; 13: 569) "Identification of a novel protein encoded by the latency-related gene of bovine herpesvirus 1." Author(s):Meyer F,Perez S,Jiang Y,Zhou Y,Henderson G,Jones C PubMed Article URL: http://dx.doi.org/10.1080/13550280701620754 |
| | R910-25 was used in Western Blot to investigate the molecular mechanism of DLK function in response to neuronal injury. |
| Tag / Not Cited | The Journal of biological chemistry (2022; 298:) "FK506-binding protein-like and FK506-binding protein 8 regulate dual leucine zipper kinase degradation and neuronal responses to axon injury." Author(s):Lee B,Oh Y,Cho E,DiAntonio A,Cavalli V,Shin JE,Choi HW,Cho Y PubMed Article URL: http://dx.doi.org/10.1016/j.jbc.2022.101647 |
| | R910-25 was used in western blot to investigate the role of MBD2/dMTase as a transcriptional repressor and a DNA methylase |
| Tag / 1:5000 | The Journal of biological chemistry (2002; 277: 35791) "Promoter-specific activation and demethylation by MBD2/demethylase." Author(s):Detich N,Theberge J,Szyf M PubMed Article URL: http://dx.doi.org/10.1074/jbc.C200408200 |
| | R910-25 was used in Western Blotting to produce a novel anti-bovine SAA3 monoclonal antibody. SAA3 expression levels in bovine epithelia were examined in vitro and in vivo using real-time PCR and immunohistochemistry (IHC). |
| Tag / Not Cited | The Journal of veterinary medical science (2020; 82: 764) "Differential expression of serum amyloid A1 and A3 in bovine epithelia." Author(s):Murata E,Kozaki S,Murakami T,Shimizu K,Okada A,Ishiguro N,Inoshima Y PubMed Article URL: http://dx.doi.org/10.1292/jvms.19-0473 |
| | R910-25 was used in western blot to determine if the p38 MAP kinase regulates the transcriptional activity of AP-1 in macrophages |
| Tag / 1:1000 | The Journal of biological chemistry (2001; 276: 33826) "The absence of activator protein 1-dependent gene expression in THP-1 macrophages stimulated with phorbol esters is due to lack of p38 mitogen-activated protein kinase activation." Author(s):Carter AB,Tephly LA,Hunninghake GW PubMed Article URL: http://dx.doi.org/10.1074/jbc.M100209200 |
| | R910-25 was used in western blot to study the effect of phosphorylation and palmitoylation on the activation of rPLD1 by constitutively active Galpha(13)Q226L and Galpha(q)Q209L |
| Tag / Not Cited | The Journal of biological chemistry (2002; 277: 11979) "Mechanisms of regulation of phospholipase D1 and D2 by the heterotrimeric G proteins G13 and Gq." Author(s):Xie Z,Ho WT,Spellman R,Cai S,Exton JH PubMed Article URL: http://dx.doi.org/10.1074/jbc.M109751200 |
| | R910-25 was used in western blot to analyze inhibition of IL-17-mediated colon inflammation and tumorigenesis by ROR-gamma-t ubiquitination by Itch |
| Tag / 1:3000 | Nature immunology (2016; 17: 997) "Itch inhibits IL-17-mediated colon inflammation and tumorigenesis by ROR-t ubiquitination." Author(s):Kathania M,Khare P,Zeng M,Cantarel B,Zhang H,Ueno H,Venuprasad K PubMed Article URL: http://dx.doi.org/10.1038/ni.3488 |

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| | R91025 was used in western blot to propose that ORP8 mediates the cytotoxicity of 25-hydroxycholesterol |
| Tag / Not Cited | Journal of lipid research (2016; 57: 1845) "Oxysterol binding protein-related protein 8 mediates the cytotoxicity of 25-hydroxycholesterol." Author(s):Li J,Zheng X,Lou N,Zhong W,Yan D PubMed Article URL: http://dx.doi.org/10.1194/jlr.M069906 |
| | R910-25 was used in Western Blot to support CUGBP1 as a key factor promoting post-injury heart regeneration and provide a potential therapeutic method for heart disease. |
| Tag / Not Cited | Cell death & disease (2022; 13:) "CUGBP1, a crucial factor for heart regeneration in mice." Author(s):Liu Y,Wang H,Zhang H,Wang J,Liu Q,Bi Y,Song S,Qiao X,Zhu K,Wu Y, Ji G PubMed Article URL: http://dx.doi.org/10.1038/s41419-022-04570-w |
| | R910-25 was used in western blot to study inositol polyphosphate phosphatase metabolism and localization using Minpp1-deficient mice |
| Tag / 1:400 | Molecular and cellular biology (2000; 20: 6496) "Targeted deletion of Minpp1 provides new insight into the activity of multiple inositol polyphosphate phosphatase in vivo." Author(s):Chi H,Yang X,Kingsley PD,O'Keefe RJ,Puzas JE,Rosier RN,Shears SB,Reynolds PR PubMed Article URL: http://dx.doi.org/10.1128/MCB.20.17.6496-6507.2000 |
| | R910-25 was used in western blot to investigate the role of SRp20 in alternative polyadenylation |
| Tag / Not Cited | Molecular and cellular biology (1998; 18: 4977) "Regulation of alternative polyadenylation by U1 snRNPs and SRp20." Author(s):Lou H,Neugebauer KM,Gagel RF,Berget SM PubMed Article URL: http://dx.doi.org/10.1128/MCB.18.9.4977 |
| | R910-25 was used in Western blot to suggest TIEG and Itch contribute to a ubiquitin-dependent nonproteolytic pathway that regulates inducible Foxp3 expression and control of allergic responses. |
| Tag / Not Cited | Nature immunology (2008; 9: 245) "The E3 ubiquitin ligase Itch regulates expression of transcription factor Foxp3 and airway inflammation by enhancing the function of transcription factor TIEG1." Author(s):Venuprasad K,Huang H,Harada Y,Elly C,Subramaniam M,Spelsberg T,Su J,Liu YC PubMed Article URL: http://dx.doi.org/10.1038/ni1564 |
| | R910-25 was used in western blot to develop the first three-dimensional model of a strict aminopeptidase, aminopeptidase A |
| Tag / 1:5000 | The Journal of biological chemistry (2002; 277: 29242) "Contribution of molecular modeling and site-directed mutagenesis to the identification of two structural residues, Arg-220 and Asp-227, in aminopeptidase A." Author(s):Rozenfeld R,Iturrioz X,Maigret B,Llorens-Cortes C PubMed Article URL: http://dx.doi.org/10.1074/jbc.M204406200 |
| | R910-25 was used in Western Blotting to determine that HTLV-1 basic leucine zipper factor binds with high affinity to the KIX domain of p300/CBP. |
| Tag / Not Cited | Journal of molecular biology (2011; 409: 384) "HTLV-1 HBZ protein deregulates interactions between cellular factors and the KIX domain of p300/CBP." Author(s):Cook PR,Polakowski N,Lemasson I PubMed Article URL: http://dx.doi.org/10.1016/j.jmb.2011.04.003 |
| | R910-25 was used in Western Blotting to demonstrate a role for HIF-1 methylation in regulating protein stability, thereby modulating biological output including retinal and tumour angiogenesis. |
| Tag / 1:1000 | Nature communications (2016; 7:) "Methylation-dependent regulation of HIF-1 stability restricts retinal and tumour angiogenesis." Author(s):Kim Y,Nam HJ, Lee J,Park DY,Kim C,Yu YS,Kim D,Park SW,Bhin J,Hwang D, Lee H,Koh GY,Baek SH PubMed Article URL: http://dx.doi.org/10.1038/ncomms10347 |
| | R910-25 was used in western blot to provide mechanistic insights into how Itch function is regulated during inflammatory signaling |
| Tag / Not Cited | Journal of immunology (Baltimore, Md. : 1950) (2015; 194: 2160) "Ndfip1 regulates itch ligase activity and airway inflammation via Ubch7." Author(s):Kathania M,Zeng M,Yadav VN,Moghaddam SJ,Yang B,Venuprasad K PubMed Article URL: http://dx.doi.org/10.4049/jimmunol.1402742 |

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|-----------------|--|
| | <p>R910-25 was used in Western Blotting to suggest that over-expression of ERbeta1 in the presence of ERalpha is associated with tamoxifen sensitivity but negatively modulates ERalpha-mediated growth.</p> |
| Tag / Not Cited | <p>Journal of molecular endocrinology (2005; 34: 553) "Inducible upregulation of oestrogen receptor-beta1 affects oestrogen and tamoxifen responsiveness in MCF7 human breast cancer cells." Author(s):Murphy LC,Peng B,Lewis A,Davie JR,Leygue E,Kemp A,Ung K,Vendetti M,Shiu R PubMed Article URL:http://dx.doi.org/10.1677/jme.1.01688</p> |
| Tag / Not Cited | <p>R910-25 was used in Western Blotting to propose a model where the interplay between 7SK snRNA and oppositely charged regions in HEXIM1 direct its binding to P-TEFb and subcellular localization that culminates in the inhibition of transcription.</p> |
| Tag / Not Cited | <p>The EMBO journal (2005; 24: 4291) "Interplay between 7SK snRNA and oppositely charged regions in HEXIM1 direct the inhibition of P-TEFb." Author(s):Barboric M,Kohoutek J,Price JP,Blazek D,Price DH,Peterlin BM PubMed Article URL:http://dx.doi.org/10.1038/sj.emboj.7600883</p> |
| Tag / 1:1000 | <p>R910-25 was used in Western Blotting to perform biochemical assays to identify functional deficits in the identified GATA5 sequences of individuals with bicuspid aortic valve.</p> |
| Tag / 1:1000 | <p>Pediatric research (2014; 76: 211) "Rare GATA5 sequence variants identified in individuals with bicuspid aortic valve." Author(s):Bonachea EM,Chang SW,Zender G,LaHaye S,Fitzgerald-Butt S,McBride KL,Garg V PubMed Article URL:http://dx.doi.org/10.1038/pr.2014.67</p> |
| Tag / Not Cited | <p>R910-25 was used in western blot to identify a DNA-demethylating enzyme</p> |
| Tag / Not Cited | <p>Nature (1999; 397: 579) "A mammalian protein with specific demethylase activity for mCpG DNA." Author(s):Bhattacharya SK,Ramchandani S,Cervoni N,Szyf M PubMed Article URL:http://dx.doi.org/10.1038/17533</p> |
| Tag / Not Cited | <p>R910-25 was used in western blot to elucidate the mechanism of osterix regulation by post-translational modification</p> |
| Tag / Not Cited | <p>Molecular and cellular endocrinology (2015; 400: 32) "Prolyl isomerase Pin1 regulates the osteogenic activity of Osterix." Author(s):Lee SH,Jeong HM,Han Y,Cheong H,Kang BY, Lee KY PubMed Article URL:http://dx.doi.org/10.1016/j.mce.2014.11.017</p> |
| Tag / Not Cited | <p>R91025 was used in western blot to determine the extent of Legionella pneumophila maintenance of translocated substrates through a systematic analysis of effector-effector functional interaction</p> |
| Tag / Not Cited | <p>Molecular systems biology (2016; 12:) "Diverse mechanisms of metaeffector activity in an intracellular bacterial pathogen, Legionella pneumophila." Author(s):Urbanus ML,Quaile AT,Stogios PJ,Morar M,Rao C,Di Leo R,Evdokimova E,Lam M,Oatway C,Cuff ME,Osipiuk J,Michalska K,Nocek BP,Taipale M,Savchenko A,Ensminger AW PubMed Article URL:http://dx.doi.org/10.1525/msb.20167381</p> |
| Tag / Not Cited | <p>R910-25 was used in Western Blot to show that both TRIM23 and TRIM21 physically interact with ANO1, and, that TRIM23 ubiquitinates and thereby stabilizes ANO1, whereas TRIM21 ubiquitinates and causes ANO1 degradation.</p> |
| Tag / Not Cited | <p>The Journal of biological chemistry (2021; 296:) "Opposing roles of E3 ligases TRIM23 and TRIM21 in regulation of ion channel ANO1 protein levels." Author(s):Cao X,Zhou Z,Tian Y,Liu Z,Cheng KO,Chen X,Hu W,Wong YM,Li X,Zhang H,Hu R,Huang P PubMed Article URL:http://dx.doi.org/10.1016/j.jbc.2021.100738</p> |
| Tag / Not Cited | <p>R910-25 was used in Western Blotting to indicate that phosphorylation of TRAF6 by RSK2 is required for TRAF6 K63 ubiquitination and inflammation signalling.</p> |
| Tag / Not Cited | <p>Oncogene (2018; 37: 3501) "RSK2 is required for TRAF6 phosphorylation-mediated colon inflammation." Author(s):Yao K, Lee SY, Peng C, Lim DY, Yamamoto H, Ryu J, Lim TG, Chen H, Jin G, Zhao Z, Han Y, Ma WY, Bode AM, Dong Z PubMed Article URL:http://dx.doi.org/10.1038/s41388-018-0167-6</p> |
| Tag / 1:5000 | <p>R910-25 was used in Western Blotting to identify a role for the transcription factor Tbx2a in driving a switch between long wavelength sensitive (LWS) and Rhodopsin-like (RH2) opsin expression.</p> |
| Tag / 1:5000 | <p>Molecular biology and evolution (2020; 37: 2002) "Tbx2a Modulates Switching of RH2 and LWS Opsin Gene Expression." Author(s):Sandkam BA,Campello L,O'Brien C,Nandamuri SP,Gammerdinger WJ,Conte MA,Swaroop A,Carleton KL PubMed Article URL:http://dx.doi.org/10.1093/molbev/msaa062</p> |

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| | R910-25 was used in Western Blotting to study the structural and functional features of the Legionella pneumophila effector protein, Ceg4. |
| Tag / 1:4,000 | <p>The Journal of biological chemistry (2018; 293: 3307)</p> <p>"The Legionella pneumophila effector Ceg4 is a phosphotyrosine phosphatase that attenuates activation of eukaryotic MAPK pathways."</p> <p>Author(s):Quaile AT,Stogios PJ,Egorova O,Evdokimova E,Valleau D,Nocek B,Kompella PS,Peisajovich S,Yakunin AF, Ensminger AW,Savchenko A</p> <p>PubMed Article URL:http://dx.doi.org/10.1074/jbc.M117.812727</p> |
| Tag / Not Cited | <p>R910-25 was used in Western Blotting to describe a polymerase chain reaction (PCR)-based method for direct gene deletion and the generation of epitope-tagged fusion proteins.</p> <p>Methods in molecular biology (Clifton, N.J.) (2004; 270: 277)</p> <p>"A PCR-based method for gene deletion and protein tagging in Trypanosoma brucei."</p> <p>Author(s):Arhin GK,Shen S,Ullu E,Tschudi C</p> <p>PubMed Article URL:http://dx.doi.org/10.1385/1-59259-793-9:277</p> |
| Tag / 1:5,000 | <p>R910-25 was used in Western Blotting to provide a simple and convenient means to produce sumoylated mammalian proteins in a eukaryotic environment.</p> <p>Journal of virological methods (2007; 139: 189)</p> <p>"Production of sumoylated proteins using a baculovirus expression system."</p> <p>Author(s):Langereis MA,Rosas-Acosta G,Mulder K,Wilson VG</p> <p>PubMed Article URL:http://dx.doi.org/10.1016/j.jviromet.2006.09.019</p> |
| Tag / Not Cited | <p>R910-25 was used in western blot to study the contribution of Rab2 on PKCιota/λ and GAPDH recruitment to vesicular tubular clusters and microtubule dynamics in the early secretory pathway</p> <p>The Journal of biological chemistry (2002; 277: 3334)</p> <p>"Glyceraldehyde-3-phosphate dehydrogenase is phosphorylated by protein kinase Cιota /λ and plays a role in microtubule dynamics in the early secretory pathway."</p> <p>Author(s):Tisdale EJ</p> <p>PubMed Article URL:http://dx.doi.org/10.1074/jbc.M109744200</p> |
| Tag / 1:500 | <p>R910-25 was used in western blot to study the effects of decreased cellular ceramide glycosylation on drug sensitivity and adriamycin resistance in breast cancer cells</p> <p>The Journal of biological chemistry (2000; 275: 7138)</p> <p>"Uncoupling ceramide glycosylation by transfection of glucosylceramide synthase antisense reverses adriamycin resistance."</p> <p>Author(s):Liu YY,Han TY,Giuliano AE,Hansen N,Cabot MC</p> <p>PubMed Article URL:http://dx.doi.org/10.1074/jbc.275.10.7138</p> |
| Tag / 1:1000 | <p>R910-25 was used in Western Blotting to identify a new pathway that links calcium influx to focal adhesion (FA) turnover during cell migration.</p> <p>eLife (2020; 9:)</p> <p>"Calcium-stimulated disassembly of focal adhesions mediated by an ORP3/IQSec1 complex."</p> <p>Author(s):D'Souza RS,Lim JY,Turgut A,Servage K,Zhang J,Orth K,Sosale NG,Lazzara MJ,Allegood J,Casanova JE</p> <p>PubMed Article URL:http://dx.doi.org/10.7554/eLife.54113</p> |
| Tag / Not Cited | <p>R910-25 was used in Western Blotting to reveal that RhoGDI impacts spindle orientation in response to DNA damage.</p> <p>Journal of cellular physiology (2019; 234: 15134)</p> <p>"RhoGDI affects HeLa cell spindle orientation following UVC irradiation."</p> <p>Author(s):Doi N,Kunimatsu Y,Fujiura K,Togari H,Minagi K,Nakaoji K,Hamada K,Temme A,Tatsuka M</p> <p>PubMed Article URL:http://dx.doi.org/10.1002/jcp.28154</p> |
| Tag / Not Cited | <p>R910-25 was used in Western Blotting to identify ABHD5 as a coactivator of patatin-like phospholipase domain-containing 1 that stimulates the esterification of -hydroxy ceramides with linoleic acid for -O-acylceramide biosynthesis.</p> <p>Journal of lipid research (2018; 59: 2360)</p> <p>"ABHD5 stimulates PNPLA1-mediated -O-acylceramide biosynthesis essential for a functional skin permeability barrier."</p> <p>Author(s):Kien B,Grond S,Haemmerle G,Lass A,Eichmann TO,Radner FPW</p> <p>PubMed Article URL:http://dx.doi.org/10.1194/jlr.M089771</p> |

9 Immunocytochemistry References

| Species / Dilution | Summary |
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| Tag / Not Cited | <p>R910-25 was used in Immunocytochemistry-immunofluorescence to demonstrate that Bromodomain-containing protein 4 regulates expression of Nanog in both mouse and human embryonic stem cells, mouse preimplantation embryos, and human embryonic cancer stem cells.</p> <p>Cell death and differentiation (2014; 21: 1950) "BRD4 regulates Nanog expression in mouse embryonic stem cells and preimplantation embryos." Author(s):Liu W,Stein P,Cheng X,Yang W,Shao NY,Morrissey EE,Schultz RM,You J PubMed Article URL:http://dx.doi.org/10.1038/cdd.2014.124</p> |
| Tag / Not Cited | <p>R910-25 was used in Immunocytochemistry to study the ability of a micelle formulation consisting of a protein transduction domain fused BMP-7 polypeptide to enhance endocytic delivery and ameliorate liver fibrosis.</p> <p>American journal of cancer research (2022; 12: 763) "A micellized bone morphogenetic protein-7 prodrug ameliorates liver fibrosis by suppressing transforming growth factor-β signaling." Author(s):Cho K,Kim NH,Seo SH,Song SH,Jeong CH,Kim HS,Um JE,Ku M,Yang J,Park JY,Ahn SH,Yook JI,Kim SU PubMed Article URL:http://www.ncbi.nlm.nih.gov/pubmed/35261800</p> |
| Tag / Not Cited | <p>R910-25 was used in Immunocytochemistry-immunofluorescence to understand how phosphorylation of LT may dynamically regulate viral replication.</p> <p>Cancers (2014; 6: 1464) "Phosphorylation of large T antigen regulates merkel cell polyomavirus replication." Author(s):Diaz J,Wang X,Tsang SH,Jiao J,You J PubMed Article URL:http://dx.doi.org/10.3390/cancers6031464</p> |
| Tag / Not Cited | <p>R910-25 was used in immunocytochemistry to study Rab11-FIP2 and Rab11 in endosomal trafficking</p> <p>The Journal of biological chemistry (2002; 277: 27193) "Rab11-FIP2 functions in transferrin recycling and associates with endosomal membranes via its COOH-terminal domain." Author(s):Lindsay AJ,McCaffrey MW PubMed Article URL:http://dx.doi.org/10.1074/jbc.M200757200</p> |
| Tag / Not Cited | <p>R910-25 was used in Immunocytochemistry to create SiRIs for indicators of second messengers and kinases and used them, in hippocampal neurons in culture and intact brain slices, to discover relationships between the speed of calcium signaling, and the amplitude of PKA signaling, upon receiving a cAMP-driving stimulus.</p> <p>Cell (2020; 183: 1682) "Spatial Multiplexing of Fluorescent Reporters for Imaging Signaling Network Dynamics." Author(s):Linghu C,Johnson SL,Valdes PA,Shemesh OA,Park WM,Park D,Piatkevich KD,Wassie AT,Liu Y,An B,Barnes SA,Celiker OT,Yao CC,Yu CJ,Wang R,Adamala KP,Bear MF,Keating AE,Boyden ES PubMed Article URL:http://dx.doi.org/10.1016/j.cell.2020.10.035</p> |
| Tag / 1:300 | <p>R910-25 was used in Immunocytochemistry-immunofluorescence to show that an N-terminal Set- cleavage product can induce neuronal death.</p> <p>The Journal of biological chemistry (2015; 290: 13417) "The N-terminal Set- Protein Isoform Induces Neuronal Death." Author(s):Trakhtenberg EF,Morkin MI,Patel KH,Fernandez SG,Sang A,Shaw P,Liu X,Wang Y,Mlackner GM,Gao H,Velmeshev D,Dombrowski SM,Vitek MP,Goldberg JL PubMed Article URL:http://dx.doi.org/10.1074/jbc.M114.633883</p> |
| Tag / Not Cited | <p>R910-25 was used in immunocytochemistry to determine if recombinant human scFvs specific to the envelope of the West Nile virus are therapeutic</p> <p>Journal of virology (2005; 79: 14606) "Protective and therapeutic capacity of human single-chain Fv-Fc fusion proteins against West Nile virus." Author(s):Gould LH,Sui J,Foellmer H,Oliphant T,Wang T,Ledizet M,Murakami A,Noonan K,Lambeth C,Kar K,Anderson JF,de Silva AM,Diamond MS,Koski RA,Marasco WA,Fikrig E PubMed Article URL:http://dx.doi.org/10.1128/JVI.79.23.14606-14613.2005</p> |
| Tag / 1:500 | <p>R910-25 was used in immunocytochemistry to characterize the nuclear functions of ZO-2</p> <p>Experimental cell research (2004; 297: 247) "Characterization of the tight junction protein ZO-2 localized at the nucleus of epithelial cells." Author(s):Jaramillo BE,Ponce A,Moreno J,Betanzos A,Huerta M,Lopez-Bayghen E,Gonzalez-Mariscal L PubMed Article URL:http://dx.doi.org/10.1016/j.yexcr.2004.03.021</p> |

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R910-25 was used in Immunofluorescence to study how Set- differentially regulates axon growth and regeneration depending on subcellular localization and phosphorylation.

The Journal of neuroscience : the official journal of the Society for Neuroscience (2014; 34: 7361)

"Regulating Set-'s Subcellular Localization Toggles Its Function between Inhibiting and Promoting Axon Growth and Regeneration."

Author(s):Trakhtenberg EF,Wang Y,Morkin MI,Fernandez SG,Mlacker GM,Shechter JM,Liu X,Patel KH,Lapins A,Yang S,Dombrowski SM,Goldberg JL

PubMed Article URL:<http://dx.doi.org/10.1523/JNEUROSCI.3658-13.2014>

Tag / 1:300

1 Gel Shift References

| Species / Dilution | Summary |
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| | R910-25 was used in Gel Shift to show that transcription factor pointed P1 (PntP1) functions as a transcriptional activator to indirectly suppress Ase expression in type II neuroblasts by activating the expression of the transcriptional repressor Tailless. |

Tag / Not Cited

PLoS genetics (2022; 18:)

"The Ets protein Pointed P1 represses Asense expression in type II neuroblasts by activating Tailless."

Author(s):Chen R,Deng X,Zhu S

PubMed Article URL:<http://dx.doi.org/10.1371/journal.pgen.1009928>

8 Immunoprecipitation References

| Species / Dilution | Summary |
|--------------------|---|
| | R910-25 was used in immunoprecipitation to describe a novel role for IKAP in the regulating the activation of the mammalian stress response |

Tag / Not Cited

The Journal of biological chemistry (2002; 277: 31918)

"A novel specific role for I kappa B kinase complex-associated protein in cytosolic stress signaling."

Author(s):Holmberg C,Katz S,Lerdrup M,Herdegen T,Jäättelä M,Aronheim A,Kallunki T

PubMed Article URL:<http://dx.doi.org/10.1074/jbc.M200719200>

R910-25 was used in immunoprecipitation to identify and study NEDD4 binding partners in the mid-gestation embryo

Tag / 1:2000

The Journal of biological chemistry (2002; 277: 2897)

"Identification of developmentally expressed proteins that functionally interact with Nedd4 ubiquitin ligase."

Author(s):Murillas R,Simms KS,Hatakeyama S,Weissman AM,Kuehn MR

PubMed Article URL:<http://dx.doi.org/10.1074/jbc.M110047200>

R910-25 was used in Western Blotting to indicate that phosphorylation of TRAF6 by RSK2 is required for TRAF6 K63 ubiquitination and inflammation signalling.

Tag / Not Cited

Oncogene (2018; 37: 3501)

"RSK2 is required for TRAF6 phosphorylation-mediated colon inflammation."

Author(s):Yao K,Lee SY,Peng C,Lim DY,Yamamoto H,Ryu J,Lim TG,Chen H,Jin G,Zhao Z,Han Y,Ma WY,Bode AM,Dong Z

PubMed Article URL:<http://dx.doi.org/10.1038/s41388-018-0167-6>

R910-25 was used in immunoprecipitation to show that Dorfin protects neurons by ubiquitylating mutant SOD1 proteins thus targeting them for proteasomal degradation

Tag / Not Cited

The Journal of biological chemistry (2002; 277: 36793)

"Dorfin ubiquitylates mutant SOD1 and prevents mutant SOD1-mediated neurotoxicity."

Author(s):Niwa J,Ishigaki S,Hishikawa N,Yamamoto M,Doyu M,Murata S,Tanaka K,Taniguchi N,Sobue G

PubMed Article URL:<http://dx.doi.org/10.1074/jbc.M206559200>

R910-25 was used in Immunoprecipitation to observe that SI-LARP1 (NM_015315.5> NP_056130.2) is epigenetically repressed and that this repression is evolutionarily conserved in all but a small subclade of mammalian species.

Tag / Not Cited

RNA biology (2021; 18: 237)

"LARP1 isoform expression in human cancer cell lines."

Author(s):Schwenzer H,Abdel Mouti M,Neubert P,Morris J,Stockton J,Bonham S,Fellermeyer M,Chettle J,Fischer R,

Beggs AD,Blagden SP

PubMed Article URL:<http://dx.doi.org/10.1080/15476286.2020.1744320>

R910-25 was used in Immunoprecipitation to delineate a mechanism connecting signalling related polyubiquitination of Malt1 and Stat3, leading to NF-kB activation and RORt expression, to pathogenic Th17 cell function in experimental autoimmune encephalitis.

Tag / Not Cited

Nature communications (2019; 10:)

"Hectd3 promotes pathogenic Th17 lineage through Stat3 activation and Malt1 signaling in neuroinflammation."

Author(s):Cho JJ,Xu Z,Parthasarathy U,Drashansky TT,Helm EY,Zuniga AN,Loretsen KJ,Mansouri S,Cho JY,Edelmann MJ,Duong DM,Gehring T,Seeholzer T,Krappmann D,Uddin MN,Califano D,Wang RL,Jin L,Li H,Lv D,Zhou D,Zhou L,Avram D

PubMed Article URL:<http://dx.doi.org/10.1038/s41467-019-08605-3>

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| | R910-25 was used in immunoprecipitation to identify PEN-2 as a critical component of PS1/gamma-secretase and PS2 /gamma-secretase complexes |
| Tag / Not Cited | <p>The Journal of biological chemistry (2002; 277: 39062)</p> <p>"PEN-2 is an integral component of the gamma-secretase complex required for coordinated expression of presenilin and nicastrin."</p> <p>Author(s):Steiner H,Winkler E,Edbauer D,Prokop S,Basset G,Yamasaki A,Kostka M,Haass C</p> <p>PubMed Article URL:http://dx.doi.org/10.1074/jbc.C200469200</p> |
| | R910-25 was used in immunoprecipitation to determine the function of Ku80 domains |
| Tag / 1:1000 | <p>Molecular and cellular biology (1999; 19: 3267)</p> <p>"The C terminus of Ku80 activates the DNA-dependent protein kinase catalytic subunit."</p> <p>Author(s):Singleton BK,Torres-Arzuay MI,Rottinghaus ST,Taccioli GE,Jeggo PA</p> <p>PubMed Article URL:http://dx.doi.org/10.1128/MCB.19.5.3267</p> |
| 2 Miscellaneous PubMed References | |
| Species / Dilution | Summary |
| | R910-25 was used in western blot to report that TMEM119 distinguishes resident microglia from blood-derived macrophages |
| Tag / Not Cited | <p>Neuropathology : official journal of the Japanese Society of Neuropathology (2016; 36: 39)</p> <p>"TMEM119 marks a subset of microglia in the human brain."</p> <p>Author(s):Sato H,Kino Y,Asahina N,Takitani M,Miyoshi J,Ishida T,Saito Y</p> <p>PubMed Article URL:http://dx.doi.org/10.1111/neup.12235</p> |
| | R910-25 was used in immunocytochemistry to identify ZASP as a binding partner of ZO-2 |
| Tag / 1:500 | <p>Experimental cell research (2010; 316: 3124)</p> <p>"Identification of ZASP, a novel protein associated to Zona occludens-2."</p> <p>Author(s):Lechuga S,Alarcón L,Solano J,Huerta M,Lopez-Bayghen E,González-Mariscal L</p> <p>PubMed Article URL:http://dx.doi.org/10.1016/j.yexcr.2010.09.008</p> |
| 1 ELISA References | |
| Species / Dilution | Summary |
| | R910-25 was used in an ELISA assay to assess the role of IL-22 in controlling epithelial cell proliferation and tumorigenesis in the breast. |
| Tag / Not Cited | <p>Carcinogenesis (2014; 35: 1352)</p> <p>"Interleukin-22 promotes epithelial cell transformation and breast tumorigenesis via MAP3K8 activation."</p> <p>Author(s):Kim K,Kim G,Kim JY,Yun HJ,Lim SC,Choi HS</p> <p>PubMed Article URL:http://dx.doi.org/10.1093/carcin/bgu044</p> |
| 1 ChIP assay References | |
| Species / Dilution | Summary |
| | R910-25 was used in ChIP assay to study interactions of fibroblast growth factor 2 and Msx2 in pre-osteoblast PC-1 expression. |
| Human / Not Cited | Journal of cellular biochemistry (2010; 111: 1346) |
| Mouse / Not Cited | <p>"FGF2 promotes Msx2 stimulated PC-1 expression via Frs2/MAPK signaling."</p> <p>Author(s):Li Y,Liu J,Hudson M,Kim S,Hatch NE</p> <p>PubMed Article URL:http://dx.doi.org/10.1002/jcb.22861</p> |
| 1 Immunohistochemistry References | |
| Species / Dilution | Summary |
| | Acta neuropathologica (2008; 116: 247) |
| Tag / Not Cited | <p>"Close association of water channel AQP1 with amyloid-beta deposition in Alzheimer disease brains."</p> <p>Author(s):Misawa T,Arima K,Mizusawa H,Sato H</p> <p>PubMed Article URL:http://dx.doi.org/10.1007/s00401-008-0387-x</p> |
| 1 Neutralization References | |
| Species / Dilution | Summary |
| | R910-25 was used in blocking or activating experiment to study SmTCTP, the Schistosoma mansoni homologue of the mammalian translationally controlled tumor protein (TCTP) |
| Tag / Not Cited | <p>The Journal of biological chemistry (2002; 277: 31207)</p> <p>"Cloning and characterization of a calcium-binding, histamine-releasing protein from Schistosoma mansoni."</p> <p>Author(s):Rao KV,Chen L,Gnanasekar M,Ramaswamy K</p> <p>PubMed Article URL:http://dx.doi.org/10.1074/jbc.M204114200</p> |

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