

Pan Ras Monoclonal Antibody (Ras10)

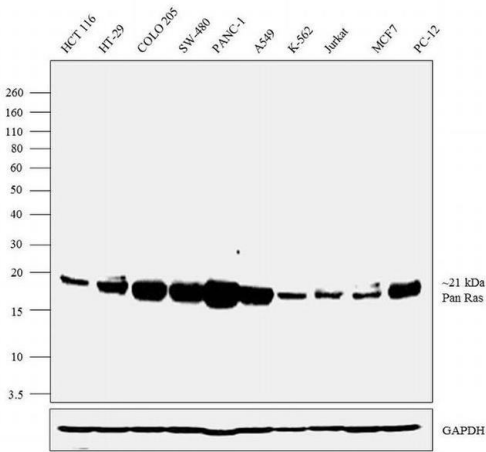
Product Details	
Size	100 µg
Species Reactivity	Human, Mouse, Non-human primate
Published Species	Human, Mouse
Host/Isotype	Mouse / IgG2a
Class	Monoclonal
Type	Antibody
Clone	Ras10
Conjugate	Unconjugated
Immunogen	Purified recombinant Ras protein
Form	Liquid
Concentration	1 mg/mL
Purification	Protein G
Storage buffer	PBS with 1mg/mL BSA, 30% glycerol
Contains	0.05% sodium azide
Storage conditions	-20° C, Avoid Freeze/Thaw Cycles
RRID	AB_2536664

Applications	Tested Dilution	Publications
Western Blot (WB)	1:1,000	11 Publications
Immunohistochemistry (IHC)	1:100-1:500	-
Immunocytochemistry (ICC/IF)	1:50-1:200	-
Flow Cytometry (Flow)	Assay-dependent	1 Publication
Immunoprecipitation (IP)	2 µg	2 Publications

Product Specific Information

This antibody recognizes normal p21, activated p21, and p21 from each of the Harvey, Kirsten and N-ras families.

Product Images For Pan Ras Monoclonal Antibody (Ras10)

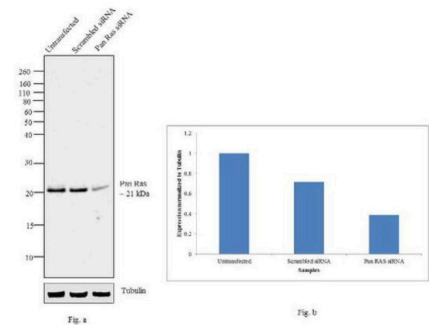


Pan Ras Antibody (MA1-012) in WB

Western blot analysis was performed on membrane enriched extracts (30 µg lysate) of HCT 116 (Lane 1), HT-29 (Lane 2), COLO 205 (Lane 3), SW-480 (Lane 4), PANC-1 (Lane 5), A549 (Lane 6), K-562 (Lane 7), Jurkat (Lane 8), MCF7 (Lane 9) and PC-12 (Lane 10). The blots were probed with Anti-Pan Ras Mouse Monoclonal Antibody (Product # MA1-012X, 1 µg/mL) and detected by chemiluminescence using Goat anti-Mouse IgG (H+L) Superclonal™ Secondary Antibody, HRP conjugate (Product # A28177, 0.25 µg/mL, 1:4000 dilution). A 21 kDa band corresponding to Pan Ras was observed across the cell lines tested. Known quantity of protein samples were electrophoresed using Novex® NuPAGE® 12 % Bis-Tris gel (Product # NP0342BOX), XCell SureLock™ Electrophoresis System (Product # EI0002) and Novex® Sharp Pre-Stained Protein Standard (Product # LC5800). Resolved proteins were then transferred onto a nitrocellulose membrane using iBlot® 2 Dry Blotting System (Product # IB21001). The membrane was probed with the relevant primary and secondary antibody following blocking with 5 % skimmed milk. Chemiluminescent detection was performed using SuperSignal™ West Dura Chemiluminescent Substrate Reagent Kit (Product # 34076).

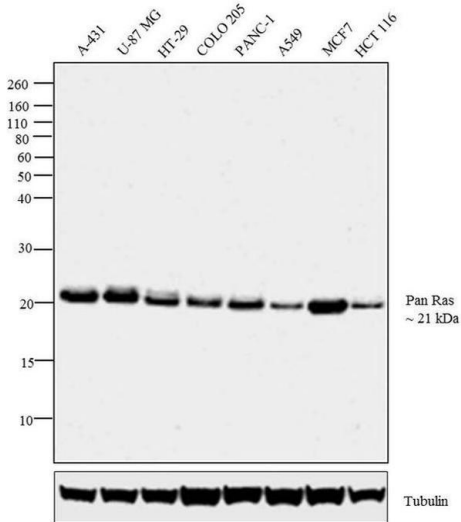
Pan Ras Antibody (MA1-012)

Antibody specificity was demonstrated by siRNA mediated knockdown of target protein. A-431 cells were transfected with Pan Ras siRNA and decrease in signal was observed in Western Blot using Anti-Pan Ras Monoclonal Antibody (Product # MA1-012X). {KD}



Pan Ras Antibody (MA1-012) in WB

Western blot analysis was performed on membrane enriched extracts (30 µg lysate) of A-431 (Lane 1), U-87 MG (Lane 2), HT-29 (Lane 3), COLO 205 (Lane 4), PANC-1 (Lane 5), A549 (Lane 6), MCF7 (Lane 7) and HCT 116 (Lane 8). The blot was probed with Anti-Pan Ras Monoclonal Antibody (Product # MA1-012X, 1µg/mL) and detected by chemiluminescence using Goat anti-Mouse IgG (H+L) Superclonal™ Secondary Antibody, HRP conjugate (Product # A28177, 0.25 µg /mL, 1:4000 dilution). A 21 kDa band corresponding to Pan Ras was observed across the cell lines tested.



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Western Blot (11)

<p>Cancers</p> <p>Evaluating the Epithelial-Mesenchymal Program in Human Breast Epithelial Cells Cultured in Soft Agar Using a Novel Macromolecule Extraction Protocol.</p> <p>"Published figure using Pan Ras monoclonal antibody (Product # MA1-012) in Western Blot"</p> <p>Authors: Lau HY,Tang J,Casey PJ,Wang M</p>	<p>Year</p> <p>2021</p> <p>Species</p> <p>Human</p>
<p>Journal of experimental & clinical cancer research : CR</p> <p>PD-1 blockade delays tumor growth by inhibiting an intrinsic SHP2/Ras /MAPK signalling in thyroid cancer cells.</p> <p>"Published figure using Pan Ras monoclonal antibody (Product # MA1-012) in Immunoprecipitation"</p> <p>Authors: Liotti F,Kumar N,Prevete N,Marotta M,Sorriento D,Ieranò C,Ronchi A,Marino FZ,Moretti S,Colella R,Puxeddu E,Paladino S,Kano Y,Ohh M,Scala S,Melillo RM</p>	<p>Year</p> <p>2021</p>

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Flow Cytometry (1)

<p>Hybridoma</p> <p>Production and characterization of anti-RAS p21 monoclonal antibodies.</p> <p>"MA1-012 was used in [flow cytometry] to characterize the antibody's reactivity to normal p21, activated p21, and p21 from each of the Harvey, Kirsten and N-ras families."</p> <p>Authors: Hamer PJ,Trimpe KL,Pullano T,Ng S,LaVecchio JA,Petit DA,DeLellis R,Wolfe H,Carney WP</p>	<p>Year</p> <p>1990</p> <p>Species</p> <p>Human</p> <p>Dilution</p> <p>1:500</p>
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Immunoprecipitation (2)

<p>Journal of experimental & clinical cancer research : CR</p> <p>PD-1 blockade delays tumor growth by inhibiting an intrinsic SHP2/Ras /MAPK signalling in thyroid cancer cells.</p> <p>"Published figure using Pan Ras monoclonal antibody (Product # MA1-012) in Immunoprecipitation"</p> <p>Authors: Liotti F,Kumar N,Prevete N,Marotta M,Sorriento D,Ieranò C,Ronchi A,Marino FZ,Moretti S,Colella R,Puxeddu E,Paladino S,Kano Y,Ohh M,Scala S,Melillo RM</p>	<p>Year</p> <p>2021</p>
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