

PDGFRB Polyclonal Antibody

Catalog NumberPA5-16576

Product data sheet

| Details | | Species Reactivity | |
|--------------------|---|--|--------------------------|
| Size | 500 µL | Species reactivity | Human, Mouse |
| Host/Isotope | Rabbit / IgG | Published species | Human |
| Class | Polyclonal | Tested Applications | |
| Type | Antibody | Dilution * | |
| Immunogen | A synthetic peptide derived from near the C-terminus of human PDGFR, beta | Immunohistochemistry (Paraffin) (IHC (P)) | Assay-dependent |
| Conjugate | Unconjugated | Published Applications | |
| Form | Liquid | Immunohistochemistry (IHC) | See 6 publications below |
| Concentration | 1 mg/mL | * 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. | |
| Purification | Protein A | | |
| Storage buffer | PBS, pH 7.4, with 0.2% BSA | | |
| Contains | 0.09% sodium azide | | |
| Storage Conditions | 4° C | | |

Product specific information

PA5-16576 targets PDGFR beta in IHC (P) applications and shows reactivity with mouse and Human samples. The PA5-16576 immunogen is a synthetic peptide derived from near the C-terminus of human PDGFR, beta.

Background/Target Information

PDGFRB is a receptor tyrosine kinase and has been implicated in atherogenesis and in cell transformation by the SIS oncogene. These growth factors are mitogens for cells of mesenchymal origin. The identity of the growth factor bound to a receptor monomer determines whether the functional receptor is a homodimer or a heterodimer, composed of both platelet-derived growth factor receptor alpha and beta polypeptides. The gene is flanked on chromosome 5 by the genes for granulocyte-macrophage colony-stimulating factor and macrophage-colony stimulating factor receptor; all three genes may be implicated in the 5-q syndrome. A translocation between chromosomes 5 and 12, that fuses PDGFRB (CD140b) to that of the translocation, ETV6, leukemia gene, results in chronic myeloproliferative disorder with eosinophilia.

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PubMed References For PDGFRB Polyclonal Antibody

6 Immunohistochemistry References

| Species / Dilution | Summary |
|--------------------|--|
| Human / 1:100 | PA5-16576 was used in immunohistochemistry to identify novel therapeutic target proteins in sebaceous gland carcinoma |
| | Head & neck (2013; 35: 642) "Identification of novel target proteins in sebaceous gland carcinoma." Author(s):Erovic BM,AI Habeeb A,Harris L,Goldstein DP,Kim D,Ghazarian D,Irish JC PubMed Article URL: http://dx.doi.org/10.1002/hed.23021 |
| Human / 1:100 | PA5-16576 was used in immunohistochemistry to identify markers with prognostic and predictive value in patients with medullary thyroid cancer |
| | Endocrine pathology (2012; 23: 232) "Prognostic and predictive markers in medullary thyroid carcinoma." Author(s):Erovic BM,Kim D,Cassol C,Goldstein DP,Irish JC,Asa SL,Mete O PubMed Article URL: http://dx.doi.org/10.1007/s12022-012-9225-8 |
| Human / 1:100 | PA5-16576 was used in immunohistochemistry to study the expresion of tumor antigens in order to identify novel diagnostic markers of parotid gland tumors |
| | European archives of oto-rhino-laryngology : official journal of the European Federation of Oto-Rhino-Laryngological Societies (EUFOS) : affiliated with the German Society for Oto-Rhino-Laryngology - Head and Neck Surgery (2014; 271: 1999) "New diagnostic markers in salivary gland tumors." Author(s):Schneider S,Kloimstein P,Pammer J,Brannath W,Grasl MCh,Erovic BM PubMed Article URL: http://dx.doi.org/10.1007/s00405-013-2740-5 |
| Human / 1:25 | PA5-16576 was used in immunohistochemistry to report a phase 2 clinical trial of imatinib mesylate in the treatment of recurrent nonresectable chondrosarcomas |
| | Cancer (2011; 117: 826) "A phase 2 trial of imatinib mesylate in patients with recurrent nonresectable chondrosarcomas expressing platelet-derived growth factor receptor- or -: An Italian Sarcoma Group study." Author(s):Grignani G,Palmerini E,Stacchiotti S,Bogliione A,Ferraresi V,Frustaci S,Comandone A,Casali PG,Ferrari S, Aglietta M PubMed Article URL: http://dx.doi.org/10.1002/cncr.25632 |
| Human / 1:200 | PA5-16576 was used in immunohistochemistry to study the expression and potential therapeutic significance of PDGFR- alpha and -beta in patients with malignant non-Hodgkin's lymphoma |
| | Romanian journal of morphology and embryology = Revue roumaine de morphologie et embryologie (2014; 53: 749) "The characterization of PDGFR-alpha and PDGFR-beta expression in malignant non-Hodgkin lymphoma." Author(s):Due AO,Ceauu RA,Mezei T,Cimpean AM,Gaje P,Ioni H,Jung I,Raica M PubMed Article URL: http://www.ncbi.nlm.nih.gov/pubmed/23188435 |
| Human / 1:100 | PA5-16576 was used in immunohistochemistry to establish a biomarker panel suitable for the identification of parathyroid carcinomas |
| | Endocrine pathology (2012; 23: 221) "Biomarkers of parathyroid carcinoma." Author(s):Erovic BM,Harris L,Jamali M,Goldstein DP,Irish JC,Asa SL,Mete O PubMed Article URL: http://dx.doi.org/10.1007/s12022-012-9222-y |

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