

Rabbit anti-Human PDGFRA/PDGFR Alpha Polyclonal Antibody | anti-PDGFR Alpha antibody

PDGFRA/PDGFR Alpha Rabbit anti-Human Polyclonal Antibody

CATALOG # AAA162994	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry
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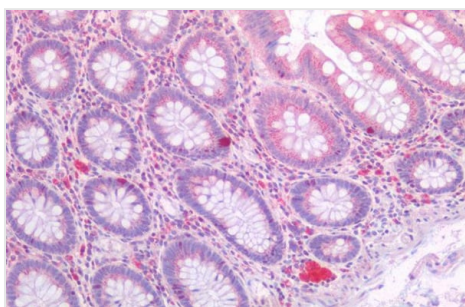
PRODUCT SYNONYMS

PDGFRA/PDGFR Alpha; Polyclonal Antibody; PDGFRA/PDGFR Alpha Rabbit anti-Human Polyclonal Antibody; PathPlus PDGFRA/PDGFR Alpha Antibody; PDGFRA; CD140A; CD140a antigen; PDGFalphaR; PDGFR2; PDGFRalpha; AlphaPDGFR; RHEPDGFRA; PDGF receptor alpha; PDGFR-2; PDGFRA/BCR fusion; APDGFR; Pdgf alpha-receptor; PDGF-R-alpha; PDGFR-alpha; anti-PDGFR Alpha antibody

PRODUCT SPECIFICATIONS

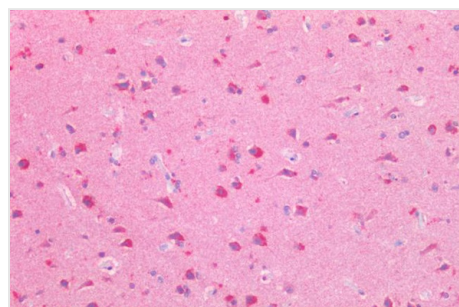
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Immunoaffinity purified
Form/Format	PBS, 0.1% Sodium Azide
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-PDGFR Alpha antibody	IHC (Immunohistochemistry)
Target	Human PDGFRA/PDGFR Alpha
Immunogen	LP-10940, synthetic peptide
Conjugation	Unconjugated
Family	Protein Kinase
Subfamily	PDGF Receptor
Preparation and Storage	Aliquot and store undiluted at -20 degree C or below for up to 1 year. Can be stored undiluted at 4 degree C for up to 1 month. Avoid freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)

PDGFRA/PDGFR Alpha Antibody-Human Colon: Formalin-Fixed, Paraffin-Embedded (FFPE)



IHC (Immunohistochemistry)

PDGFRA/PDGFR Alpha Antibody-Human Cortex: Formalin-Fixed, Paraffin-Embedded (FFPE)

ADDITIONAL INFORMATION

Related Product Information for anti-PDGFRA antibody	PDGFR Alpha antibody is an unconjugated rabbit polyclonal antibody to PDGFR Alpha (PDGFRA) from human. Validated for IHC. PDGFRA is a tyrosine-protein kinase that acts as a cell-surface receptor for PDGFA, PDGFB and PDGFC and plays an essential role in the regulation of embryonic development, cell proliferation, survival, cell migration, chemotaxis in wound healing, and platelet activation and aggregation. Depending on the context, it promotes or inhibits cell proliferation and cell migration. It plays an important role in the differentiation of bone marrow-derived mesenchymal stem cells and is required for normal skeleton development, the development of the mucosa lining the gastrointestinal tract, and for recruitment of mesenchymal cells and the normal development of intestinal villi. In cancer, PDGFRA is overexpressed in gliomas, gastrointestinal stromal tumors (GIST), and ovarian, prostate, colon, lung, breast, bone and skin cancers. PDGFRA expression in ovarian cancer and chondrosarcoma is associated with shorter survival. In immunohistochemistry of normal tissue, PDGFRA is widely expressed throughout the body.
References	J Cell Physiol. 1994 Feb; 158(2):381-9, PMID: 8106574; J Histochem Cytochem. 2016 Dec; 64(12): 785 -810, PMID: 27837159; Am J Surg Pathol 2001;25:1520; Sci Rep. 2015 Dec 7;5:17948, PMID: 26639755

NCBI AND UNIPROT INFORMATION

NCBI GI #	5453870
NCBI GeneID	5156
NCBI Accession #	NP_006197.1
NCBI GenBank Nucleotide #	NM_006206
UniProt Accession #	P16234; Q6P4H5; Q96KZ7; Q9UD28; B2RE69; E9PBH0
Molecular Weight	122,670 Da
NCBI Official Full Name	platelet-derived growth factor receptor alpha
NCBI Official Synonym Full Names	platelet-derived growth factor receptor, alpha polypeptide
NCBI Official Symbol	PDGFRA
NCBI Official Synonym Symbols	CD140A; PDGFR2; PDGFR-2; RHEPDGFRA
NCBI Protein Information	platelet-derived growth factor receptor alpha; PDGF-R-alpha; CD140a antigen; PDGFRA/BCR fusion; CD140 antigen-like family member A; platelet-derived growth factor receptor 2; alpha-type platelet-derived growth factor receptor; rearranged-in-hypereosinophi
UniProt Protein Name	Platelet-derived growth factor receptor alpha
UniProt Gene Name	PDGFRA
UniProt Synonym Gene Names	PDGFR2; RHEPDGFRA; PDGF-R-alpha; PDGFR-alpha; PDGFR-2
UniProt Entry Name	PGFRA_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/pdgfra-pdgfr-alpha-antibody-immunohistochemistry-elisa/162994>