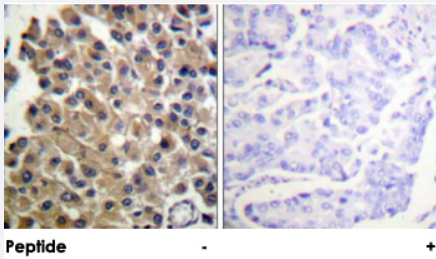


PDGFRB polyclonal antibody

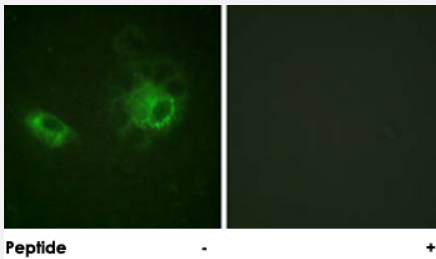
Catalog # PAB18205 Size 100 ug

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using PDGFRB polyclonal antibody (Cat # PAB18205).
Peptide "+" means "peptide blocking".



Immunofluorescence

Immunofluorescence analysis of HeLa cells, using PDGFRB polyclonal antibody (Cat # PAB18205).
Peptide "+" means "peptide blocking".

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of PDGFRB.
Immunogen	A synthetic peptide corresponding to amino acids 981-1030 of human PDGFRB.
Host	Rabbit
Theoretical MW (kDa)	123
Reactivity	Human, Mouse, Rat
Specificity	This antibody detects endogenous levels of total PDGFRB protein.
Form	Liquid

Purification	The antibody was purified from rabbit antiserum by affinity-chromatography using immunogen.
Concentration	1 mg/mL
Recommend Usage	ELISA (1:20000) Immunofluorescence (1:100-1:500) Immunohistochemistry (1:50-1:100) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (without Mg ²⁺ and Ca ²⁺), 150 mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide).
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using PDGFRB polyclonal antibody (Cat # PAB18205).

Peptide "+" means "peptide blocking".

- Immunofluorescence

Immunofluorescence analysis of HeLa cells, using PDGFRB polyclonal antibody (Cat # PAB18205).

Peptide "+" means "peptide blocking".

- Enzyme-linked Immunoabsorbent Assay

Gene Info — PDGFRB

Entrez GeneID	5159
Protein Accession#	P09619
Gene Name	PDGFRB
Gene Alias	CD140B, JTK12, PDGF-R-beta, PDGFR, PDGFR1
Gene Description	platelet-derived growth factor receptor, beta polypeptide
Omim ID	131440 173410
Gene Ontology	Hyperlink

Gene Summary

This gene encodes a cell surface tyrosine kinase receptor for members of the platelet-derived growth factor family. 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. This 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 this gene to that of the translocation, ETV6, leukemia gene, results in chronic myeloproliferative disorder with eosinophilia. [provided by RefSeq]

Other Designations

beta platelet-derived growth factor receptor|platelet-derived growth factor receptor beta|soluble PDGFRb variant 1

Publication Reference

- [HCMOGT-1 is a novel fusion partner to PDGFRB in juvenile myelomonocytic leukemia with t\(5;17\)\(q33;p11.2\).](#)
 Morerio C, Acquila M, Rosanda C, Rapella A, Dufour C, Locatelli F, Maserati E, Pasquali F, Panarello C.
 Cancer Research 2004 Apr; 64(8):2649.
- [Cloning of the t\(1;5\)\(q23;q33\) in a myeloproliferative disorder associated with eosinophilia: involvement of PDGFRB and response to imatinib.](#)
 Wilkinson K, Velloso ER, Lopes LF, Lee C, Aster JC, Shipp MA, Aguiar RC.
 Blood 2003 Dec; 102(12):4187.
- [Structural determinants of the Na⁺/H⁺ exchanger regulatory factor interaction with the beta 2 adrenergic and platelet-derived growth factor receptors.](#)
 Karthikeyan S, Leung T, Ladas JA.
 The Journal of Biological Chemistry 2002 May; 277(21):18973.

Pathway

- [Calcium signaling pathway](#)
- [Colorectal cancer](#)
- [Cytokine-cytokine receptor interaction](#)
- [Focal adhesion](#)
- [Gap junction](#)

- [Glioma](#)
- [MAPK signaling pathway](#)
- [Melanoma](#)
- [Pathways in cancer](#)
- [Prostate cancer](#)
- [Regulation of actin cytoskeleton](#)

Disease

- [Acute Disease](#)
- [Adenocarcinoma](#)
- [Alzheimer disease](#)
- [Cardiovascular Diseases](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Disease Models](#)
- [Edema](#)
- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Hyperparathyroidism](#)
- [Kidney Failure](#)
- [Leukemia](#)
- [Metabolic Syndrome X](#)
- [Neoplasms](#)
- [Osteoporosis](#)
- [Ovarian Neoplasms](#)
- [Schizophrenia](#)

- [Subdural Effusion](#)