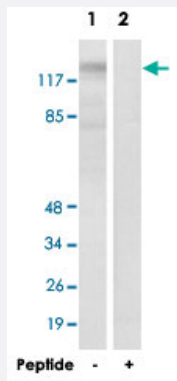


PDGFRB polyclonal antibody

Catalog # PAB18498 Size 100 ug

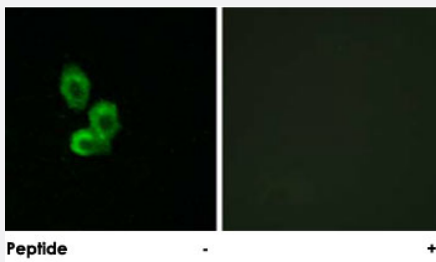
Applications



Western Blot (Cell lysate)

Western blot analysis of extracts from LoVo cells, using PDGFRB polyclonal antibody (Cat # PAB18498).

Peptide "+" means "peptide blocking".



Immunofluorescence

Immunofluorescence analysis of HepG2 cells, using PDGFRB polyclonal antibody (Cat # PAB18498).

Peptide "+" means "peptide blocking".

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of PDGFRB.
Immunogen	A synthetic peptide corresponding to residues surrounding Y751 of human PDGFRB.
Host	Rabbit
Reactivity	Human, Mouse, Rat
Specificity	This antibody is specific to PDGFRB.
Form	Liquid

Purification	Affinity purification
Concentration	1 mg/mL
Recommend Usage	Western Blot (1:500-1:1000) Immunohistochemistry (1:50-1:100) Immunofluorescence (1:500-1:1000) ELISA (1:40000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, 150mM 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

- Western Blot (Cell lysate)

Western blot analysis of extracts from LoVo cells, using PDGFRB polyclonal antibody (Cat # PAB18498).
Peptide "+" means "peptide blocking".

- Immunohistochemistry

- Immunofluorescence

Immunofluorescence analysis of HepG2 cells, using PDGFRB polyclonal antibody (Cat # PAB18498).
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

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- [Pioglitazone reduces monocyte adhesion to vascular endothelium under flow by modulating RhoA GTPase and focal adhesion kinase.](#)

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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](#)