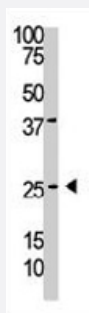


PDGFB polyclonal antibody

Catalog # PAB3679

Size 400 uL

Applications



Western Blot (Cell lysate)

The PDGFB polyclonal antibody (Cat # PAB3679) is used in Western blot to detect PDGFC in A-375 cell lysate.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of PDGFB.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to C-terminus of human PDGFB.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Protein G purification
Recommend Usage	Immunofluorescence (1:10-50) Western Blot (1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage 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)

The PDGFB polyclonal antibody (Cat # PAB3679) is used in Western blot to detect PDGFC in A-375 cell lysate.

- Immunofluorescence

Gene Info — PDGFB

Entrez GeneID	5155
Protein Accession#	PDGB_HUMAN
Gene Name	PDGFB
Gene Alias	FLJ12858, PDGF2, SIS, SSV, c-sis
Gene Description	platelet-derived growth factor beta polypeptide (simian sarcoma viral (v-sis) oncogene homolog)
Omim ID	190040
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a member of the platelet-derived growth factor family. The four members of this family are mitogenic factors for cells of mesenchymal origin and are characterized by a motif of eight cysteines. This gene product can exist either as a homodimer (PDGF-BB) or as a heterodimer with the platelet-derived growth factor alpha polypeptide (PDGF-AB), where the dimers are connected by disulfide bonds. Mutations in this gene are associated with meningioma. Reciprocal translocations between chromosomes 22 and 7, at sites where this gene and that for COL1A1 are located, are associated with a particular type of skin tumor called dermatofibrosarcoma protuberans resulting from unregulated expression of growth factor. Two alternatively spliced transcript variants encoding different isoforms have been identified for this gene. [provided by RefSeq]
Other Designations	PDGF, B chain Platelet-derived growth factor, beta polypeptide (oncogene SIS) becaplermin oncogene SIS platelet-derived growth factor 2 platelet-derived growth factor beta platelet-derived growth factor, B chain v-sis platelet-derived growth factor beta p

Publication Reference

- [Kinetics control preferential heterodimer formation of platelet-derived growth factor from unfolded A- and B-chains.](#)

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The Journal of Biological Chemistry 2003 May; 278(20):18330.

- [Fusion of COL1A1 exon 29 with PDGFB exon 2 in a der\(22\)t\(17;22\) in a pediatric giant cell fibroblastoma with a pigmented Bednar tumor component. Evidence for age-related chromosomal pattern in dermatofibrosarcoma protuberans and related tumors.](#)

Maire G, Martin L, Michalak-Provost S, Gattas GJ, Turc-Carel C, Lorette G, Pedeutour F.

Cancer Genetics and Cytogenetics 2002 Apr; 134(2):156.

Pathway

- [Cytokine-cytokine receptor interaction](#)
- [Focal adhesion](#)
- [Gap junction](#)
- [Glioma](#)
- [MAPK signaling pathway](#)
- [Melanoma](#)
- [Pathways in cancer](#)
- [Prostate cancer](#)
- [Regulation of actin cytoskeleton](#)
- [Renal cell carcinoma](#)

Disease

- [Amyotrophic lateral sclerosis](#)
- [Anoxia](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)

- [Chorioamnionitis](#)
- [Coronary Artery Disease](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Edema](#)
- [Fetal Membranes](#)
- [Genetic Predisposition to Disease](#)
- [Glomerulonephritis](#)
- [Head and Neck Neoplasms](#)
- [Neoplasms](#)
- [Obstetric Labor](#)
- [Ovarian Neoplasms](#)
- [Pre-Eclampsia](#)
- [Premature Birth](#)
- [Recurrence](#)