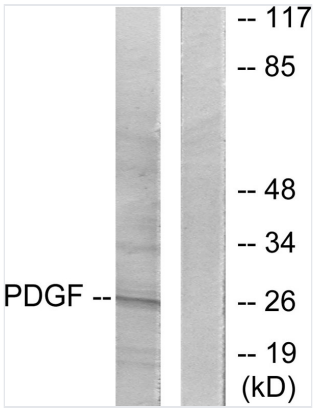
PDGFB Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	PDGFB, Polyclonal Antibody
Full Product Name	PDGFB Antibody
Product Gene Name	anti-PDGFB antibody
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purity/Purification	Purified from rabbit antiserum by affinity-chromatography using immunogen.
Concentration	1 mg/ml (lot specific)
Specificity	PDGFB Antibody detects endogenous levels of total PDGFB protein.
Preparation and Storage	Stable at -20 degree C for at least 1 year.
Molecular Weight	27 kDa
3D Structure	ModBase 3D Structure for P01127
Target Modification	Unmodified/Total
Immunogen	The antiserum was produced against synthesized peptide derived from human PDGFB.
Immunogen Range	16-65
Applications Tested/Suitable for anti-PDGFB antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-PDGFB antibody	WB: 1:500~1:1000 ELISA: 1:10000
Related Product Information for anti-PDGFB antibody	MBS9504701 is an antibody targeting PDGFB. Also known as PDGFB Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.
Other Notes	Small volumes of anti-PDGFB antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-PDGFB antibody
Western blot analysis of lysates from NIH/3T3 cells, using PDGFB Antibody. The lane on the right is blocked with the synthesized peptide.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PDGFB. It may not necessarily be applicable to this product.

NCBI GI #	4505681
NCBI GeneID	5155
NCBI Accession #	NP_002599.1
UniProt Primary Accession #	P01127
UniProt Secondary Accession #	P78431; Q15354; Q6FHE7; Q9UF23; G3XAG8
UniProt Related Accession #	P01127
GenBank Nucleotide #	NM_002608.3
NCBI Official Full Name	platelet-derived growth factor subunit B isoform 1 preproprotein
NCBI Official Synonym Full Names	platelet derived growth factor subunit B
NCBI Official Symbol	PDGFB
NCBI Official Synonym Symbols	SIS; SSV; IBGC5; PDGF2; c-sis; PDGF-2
UniProt Protein Name	Platelet-derived growth factor subunit B
UniProt Synonym Protein Names	PDGF-2; Platelet-derived growth factor B chain; Platelet-derived growth factor beta polypeptide; Proto-oncogene c-Sis; INN: Becaplermin
Protein Family	Platelet-derived growth factor
UniProt Gene Name	PDGFB
UniProt Synonym Gene Names	PDGF2; SIS; PDGF subunit B
NCBI Protein Information	platelet-derived growth factor subunit B
NCBI Summary for PDGFB	This gene encodes a member of the protein family comprised of both platelet-derived growth factors (PDGF) and vascular endothelial growth factors (VEGF). The encoded preproprotein is proteolytically processed to generate platelet-derived growth factor subunit B, which can homodimerize, or alternatively, heterodimerize with the related platelet-derived growth factor subunit A. These proteins bind and activate PDGF receptor tyrosine kinases, which play a role in a wide range of developmental processes. Mutations in this gene are associated with meningioma. Reciprocal translocations between chromosomes 22 and 17, at sites where this gene and that for collagen type 1, alpha 1 are located, are associated with dermatofibrosarcoma protuberans, a rare skin tumor. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2015]

UniProt Comments for PDGFB	Growth factor that plays an essential role in the regulation of embryonic development, cell proliferation, cell migration, survival and chemotaxis. Potent mitogen for cells of mesenchymal origin (PubMed:26599395). Required for normal proliferation and recruitment of pericytes and vascular smooth muscle cells in the central nervous system, skin, lung, heart and placenta. Required for normal blood vessel development, and for normal development of kidney glomeruli. Plays an important role in wound healing. Signaling is modulated by the formation of heterodimers with PDGFA ().
Research Articles on PDGFB	**1.** Rare Skin Tumor Dermatofibrosarcoma Protuberans (DFSP) is characterized by the translocation of the PDGFB gene to the collagen 1A1 gene.
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