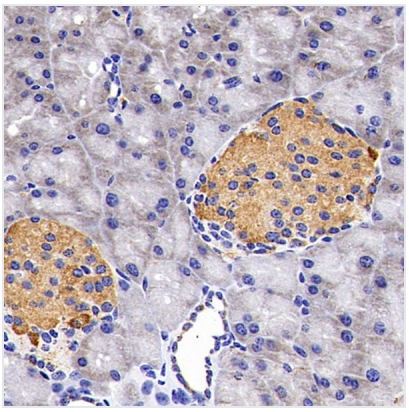
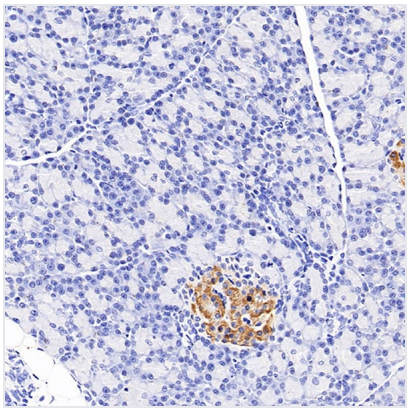
PDGFB Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	PDGFB, Polyclonal Antibody
Full Product Name	PDGFB Polyclonal Antibody
Product Gene Name	anti-PDGFB antibody
Product Synonym Names	Becaplermin; PDGF 2; PDGF B chain; PDGF subunit B; PDGF-2; PDGF2; Pdgfb; PDGFB; Platelet derived growth factor 2; Platelet-derived growth factor B chain; Platelet-derived growth factor beta polypeptide; Platelet-derived growth factor subunit B; Proto-oncogene c-Sis; SIS; SSV
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Mouse, Rat
Form/Format	PBS with 0.02% sodium azide, 100 mug/ml BSA and 50% glycerol.
Purity/Purification	Affinity Purification
Concentration	410 mug/mL (lot specific)
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.
Molecular Weight	Calculated: 27kDa Observed: 27kDa
3D Structure	ModBase 3D Structure for P31240
Immunogen	KLH conjugated synthetic peptide corresponding to Mouse PDGFB
Conjugation	Unconjugated
Product Categories/Family for anti-PDGFB antibody	Cancer; Cardiovascular; Metabolism; Developmental Biology; Signal Transduction
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-PDGFB antibody	Immunohistochemistry (IHC)
Application Notes for anti-PDGFB antibody	WB: 1:1000 IHC: 1:200-1:400
Related Product Information for anti-PDGFB antibody	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.
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.
Searchable Terms for PDGFB purchase	MBS2556141 is an antibody targeting PDGFB. Also known as PDGFB Polyclonal Antibody. Reactive in Mouse, Rat. Host: Rabbit.



Immunohistochemistry (IHC) of anti-PDGFB antibody
Immunohistochemistry analysis of paraffin-embedded mouse pancreas using PDGFB Polyclonal Antibody at dilution of 1:200.



Immunohistochemistry (IHC) of anti-PDGFB antibody
Immunohistochemistry analysis of paraffin-embedded Rat pancreas using PDGFB Polyclonal Antibody at dilution of 1:200.

ADDITIONAL DETAILS

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

NCBI GI #	40538817
NCBI GeneID	18591
NCBI Accession #	NP_035187.2
UniProt Primary Accession #	P31240
UniProt Secondary Accession #	Q6P3C4
UniProt Related Accession #	P31240
GenBank Nucleotide #	NM_011057.4
NCBI Official Full Name	platelet-derived growth factor subunit B
NCBI Official Synonym Full Names	platelet derived growth factor, B polypeptide
NCBI Official Symbol	Pdgfb
NCBI Official Synonym Symbols	Sis; c-sis; PDGF-2; PDGF-B
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
Protein Family	Platelet-derived growth factor
UniProt Gene Name	Pdgfb
UniProt Synonym Gene Names	Sis; PDGF subunit B
NCBI Protein Information	platelet-derived growth factor subunit B
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. 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.** microRNA let-7g suppresses PDGF-induced conversion of vascular smooth muscle cell into the atherosclerotic phenotype.

Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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