



# Anti-PDGFB (aa 100-200) polyclonal antibody (CPBT-55179RH)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Product Overview</b>	Rabbit Polyclonal antibody to Human PDGFB.
<b>Antigen Description</b>	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.
<b>Immunogen</b>	Synthetic peptide conjugated to KLH derived from within residues 100 - 200 of Human PDGF BB. ( Immunogen available as <a href="#">DAG-P1744</a> )
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Mouse, Human
<b>Purification</b>	Immunogen affinity purified
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB, IHC-P
<b>Format</b>	Liquid

<b>Size</b>	100 µg
<b>Buffer</b>	Preservative: 0.02% Sodium AzideConstituents: 1% BSA, PBS, pH 7.4
<b>Preservative</b>	0.02% Sodium Azide
<b>Storage</b>	Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">PDGFB platelet-derived growth factor beta polypeptide [ Homo sapiens ]</a>
<b>Official Symbol</b>	PDGFB
<b>Synonyms</b>	PDGFB; platelet-derived growth factor beta polypeptide; platelet derived growth factor beta polypeptide (simian sarcoma viral (v sis) oncogene homolog) , SIS; platelet-derived growth factor subunit B; becaplermin; oncogene SIS; SSV; Becaplermin; C sis; FLJ12858; Oncogene SIS; PDG B chain; PDGB; PDGF 2; PDGF B; PDGF B chain; PDGF subunit B; PDGF-2; PDGF2; PDGFB; PDGFB/COL1A1 fusion gene; PDGFB_HUMAN; Platelet derived growth factor 2; Platelet derived growth factor B chain; Platelet derived growth factor beta; Platelet derived growth factor beta polypeptide; Platelet-derived growth factor B chain; Platelet-derived growth factor beta polypeptide; Platelet-derived growth factor subunit B; Proto-oncogene c-Sis; Simian sarcoma viral (v sis) oncogene homolog; SIS; SSV; V sis platelet derived growth factor beta polypeptide; PDGF-2; PDGF, B chain; PDGF subunit B; OTTHUMP00000198980; OTTHUMP00000198981; proto-oncogene c-Sis; platelet-derived growth factor 2; platelet-derived growth factor B chain; platelet-derived growth factor, B chain; Platelet-derived growth factor, beta polypeptide (oncogene SIS); platelet-derived growth factor beta polypeptide (simian sarcoma viral (v-sis) oncogene homolog); SIS; PDGF2; c-sis;
<b>Entrez Gene ID</b>	<a href="#">5155</a>
<b>Protein Refseq</b>	<a href="#">NP_002599</a>
<b>UniProt ID</b>	<a href="#">P01127</a>
<b>Chromosome Location</b>	22q13.1
<b>Pathway</b>	Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; Downstream signal transduction, organism-specific biosystem; Focal Adhesion, organism-specific biosystem; Focal adhesion, organism-specific biosystem; Focal adhesion, conserved biosystem; Gap junction, organism-specific biosystem; Gap junction, conserved biosystem; Glioma, organism-specific biosystem; Glioma, conserved biosystem; HTLV-I infection, organism-specific bi
<b>Function</b>	cell surface binding; collagen binding; eukaryotic cell surface binding; growth factor activity;

platelet-derived growth factor binding; platelet-derived growth factor receptor binding; contributes\_to platelet-derived growth factor receptor binding; platelet-derived growth factor receptor binding; platelet-derived growth factor receptor binding; protein binding; protein heterodimerization activity; protein homodimerization activity; protein tyrosine kinase activity; superoxide-generating NADPH oxidase activator activity;

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