



# Anti-PDGFB polyclonal antibody (DPABH-01409)

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

## PRODUCT INFORMATION

<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 17, at sites where this gene and that for collagen type 1, alpha 1 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: KHRKFKKHTHDKT (Human) conjugated to KLH
<b>Isotype</b>	IgG
<b>Source/Host</b>	Goat
<b>Species Reactivity</b>	Human
<b>Purification</b>	Immunogen affinity purified
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	IHC-P
<b>Format</b>	Liquid
<b>Size</b>	50 µg
<b>Buffer</b>	pH: 7.30; Constituents: Tris buffered saline, 0.5% BSA

<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 long term. 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; SIS; SSV; IBGC5; PDGF2; c-sis; PDGF-2; platelet-derived growth factor subunit B; becaplermin; PDGF, B chain; PDGF subunit B; proto-oncogene c-Sis; platelet-derived growth factor 2; 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);
<b>Entrez Gene ID</b>	<a href="#">5155</a>
<b>Protein Refseq</b>	<a href="#">NP_002599.1</a>
<b>UniProt ID</b>	<a href="#">P01127</a>
<b>Pathway</b>	Adaptive Immune System; Constitutive PI3K/AKT Signaling in Cancer; Cytokine-cytokine receptor interaction; DAP12 signaling
<b>Function</b>	chemoattractant activity; collagen binding; growth factor activity; identical protein binding