

**Goat anti-PDGFB precursor Antibody**  
Peptide-affinity purified goat antibody  
Catalog # AF4516a

**Specification**

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**Goat anti-PDGFB precursor Antibody - Product Information**

Application	IF, FC, Pep-ELISA
Primary Accession	<a href="#">P01127</a>
Other Accession	<a href="#">NP_002599.1</a> , <a href="#">NP_148937.1</a>
Reactivity	Human, Mouse, Rat, Dog, Bovine, Sheep
Host	Goat
Clonality	Polyclonal
Calculated MW	27283

**Goat anti-PDGFB precursor Antibody - Additional Information**

**Gene ID** 5155

**Other Names**

PDGFB; platelet-derived growth factor beta polypeptide (simian sarcoma viral (v-sis) oncogene homolog); FLJ12858; PDGF2; SIS; SSV; c-sis; PDGF, B chain; Platelet-derived growth factor, beta polypeptide (oncogene SIS); becaplermin; oncogene SIS; platelet-d

**Format**

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.

**Immunogen**

This antibody is expected to recognize isoform 1 and 2 (NP\_002599.1; NP\_148937.1).

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

Goat anti-PDGFB precursor Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

**Goat anti-PDGFB precursor Antibody - Protein Information**

**Name** PDGFB

**Synonyms** PDGF2, SIS

**Function**

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: <a href="http://www.uniprot.org/citations/26599395" target="\_blank">26599395</a>). 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 (By similarity).

**Cellular Location**

Secreted. Note=Released by platelets upon wounding

**Tissue Location**

Expressed at high levels in the heart, brain (sustantia nigra), placenta and fetal kidney. Expressed at moderate levels in the brain (hippocampus), skeletal muscle, kidney and lung

**Goat anti-PDGFB precursor Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**Goat anti-PDGFB precursor Antibody - Images**