

## Goat anti-PDGFB precursor Antibody

Peptide-affinity purified goat antibody Catalog # AF4516a

## **Product Information**

**Application** IF, FC, Pep-ELISA

Primary Accession P01127

Other Accession NP 002599.1, NP 148937.1

**Reactivity** Human, Mouse, Rat, Dog, Sheep, Bovine

HostGoatClonalityPolyclonalClone NamesPDGFBCalculated MW27283

## **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

**Dilution** IF~~1:50~200 FC~~1:10~50 Pep-ELISA~~N/A

**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.

## **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: 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 (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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.