

PDGF-BB Antibody
Purified Rabbit Polyclonal Antibody
Catalog # ABV11602**Specification**

PDGF-BB Antibody - Product Information

Application	WB
Primary Accession	P01127
Other Accession	NP_148937
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	27283

PDGF-BB Antibody - Additional Information**Gene ID** 5155**Other Names**

platelet-derived growth factor subunit B

Target/Specificity

PDGF-BB

Formulation

200 µg (0.5 mg/ml) affinity purified rabbit anti-human PDGF-BB polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 30% glycerol and 0.01% thimerosal.

Handling

The antibody solution should be gently mixed before use.

Background Descriptions**Precautions**

PDGF-BB Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

PDGF-BB 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). 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

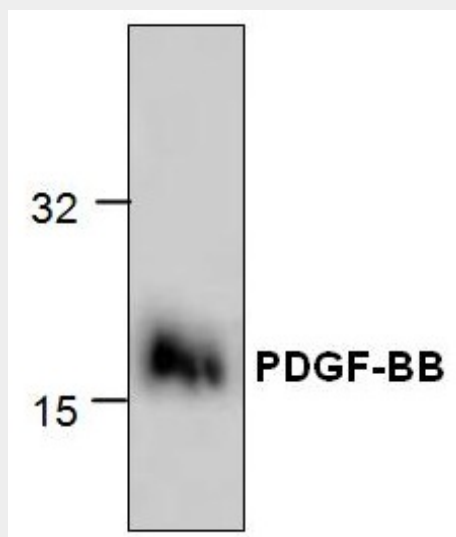
Expressed at high levels in the heart, brain (sustantia nigra), placenta and fetal kidney. Expressed at moderate levels in the brain (hippocampus), skeletal muscle, kidney and lung

PDGF-BB 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](#)

PDGF-BB Antibody - Images



Western blot analysis using recombinant human PDGF-BB.

PDGF-BB Antibody - Background

Human Platelet Derived Growth Factor (PDGF) is a potent mitogen for a wide range of cell types including fibroblasts, smooth muscle and connective tissue. PDGF is composed of a dimer of two chains termed the A chain and B chain, and thus can be present as AA or BB homodimers or as an AB heterodimer. Human PDGF-BB is a 14-18.0 kDa protein containing 109 amino acid residues.