

PDGFB Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP51419**Specification**

PDGFB Antibody - Product Information

Application	WB, E
Primary Accession	P01127
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	27 KDa

PDGFB Antibody - Additional Information**Gene ID** 5155**Other Names**

Platelet-derived growth factor subunit B, PDGF subunit B, PDGF-2, Platelet-derived growth factor B chain, Platelet-derived growth factor beta polypeptide, Proto-oncogene c-Sis, Becaplermin, PDGFB, PDGF2, SIS

Dilution

WB~~1:1000

E~~N/A

Format

0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

Storage

Store at -20 °C. Stable for 12 months from date of receipt

PDGFB 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: 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

PDGFB 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](#)

PDGFB Antibody - Images**PDGFB Antibody - Background**

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. 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).

PDGFB Antibody - References

Josephs S.F.,et al.Science 225:636-639(1984).
Collins T.,et al.Nature 316:748-750(1985).
Ratner L.,et al.Nucleic Acids Res. 13:5007-5018(1985).
Rao C.D.,et al.Cold Spring Harb. Symp. Quant. Biol. 51:959-966(1986).
Rao C.D.,et al.Proc. Natl. Acad. Sci. U.S.A. 83:2392-2396(1986).