10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-PDGFB Antibody

Catalog # AP51419

Product Information

Application	WB
Primary Accession	P01127
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	27283

Additional Information

Gene ID	5155
Other Names	PDGF2; SIS; 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
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human PDGFB. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000)
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

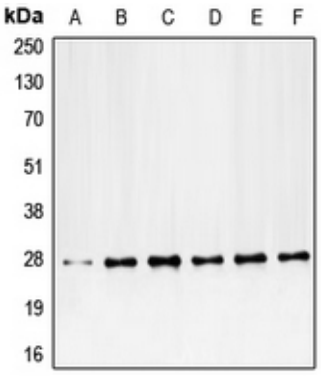
Name	PDGFB
Synonyms	PDGF2, SIS
Function	Growth factor that plays an essential role in the regulation of embryonic development, cell proliferation, cell migration, survival and chemotaxis. Potent mitogen for cells of mesenchymal origin (PubMed:26599395). Required for normal proliferation and recruitment 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

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).

Images



Western blot analysis of PDGFB expression in HeLa (A), NIHC3T3 (B), mouse liver (C), mouse kidney (D), rat liver (E), rat kidney (F) whole cell lysates. (Predicted band size: 27 kD; Observed band size: 27 kD)

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