

PDGF-B Antibody

Subcategory: Rabbit Polyclonal Antibody

Cat. No.: 250815

Unit: 0.1 mg

Description:

Platelet-derived growth factor (PDGF-A and PDGF-B subunits) is a potent mitogen for cells of mesenchymal origin. Binding of PDGF to its receptor PDGFR triggers a variety of cellular responses. PDGF is released by platelets upon wounding and plays an important role in stimulating adjacent cells to grow and heal the wound. PDGF consists of antiparallel disulfide-linked dimer of non identical (A and B) chains. Homodimers of A and B chains are implicated in transformation processes. A-A and B-B homodimers as well as A-B heterodimers bind to the PDGF receptor. A chromosomal aberration involving PDGF-B is a cause of dermatofibrosarcoma protuberans (DFSP), an uncommon aggressive tumor of the deep dermis and subcutaneous tissue. PDGF-B is available under the name Regranex (Ortho-McNeil) to promote healing in diabetic neuropathic foot ulcers.

Isotype: Rabbit Ig

Applications: E, IHC, WB

Species Reactivity: H, M, R

Format: Each vial contains 0.1 mg IgG in 0.1 ml (1 mg/ml) of PBS pH7.4, 25% glycerol, 5 mg/ml BSA with 0.09% sodium azide. Antibody was purified by Protein-A affinity chromatography.

Alternate Names: Platelet-derived growth factor subunit B; PDGF subunit B; Platelet-derived growth factor B chain; Platelet-derived growth beta polypeptide; PDGF-2; c-sis; Becaplermin; PDGFB; PDGF2; SIS

Accession No.: P01127

Antigen: KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human PDGF-B.

Application Notes: E: 1:500-1:1,000; WB: 1:200-1:500; IHC: 1:200-1:500



PDGF-B staining in human hip muscle. Paraffin-embedded human hip muscle was stained with PDGF-B Antibody (Cat. No. 250815) used at 1:200 dilution.

Storage: Store at -20°C. Minimize freeze-thaw cycles. Product is guaranteed one year from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.