

Basic Information

Product Name	Anti-PDGF-BB/PDGFB Antibody
Gene Name	PDGFB
Source	Rabbit
Clonality	Polyclonal
Isotype	IgG
Species Reactivity	human, mouse, rat
Tested Application	WB
Contents	500 ug/ml antibody with PBS, 0.02% NaN ₃ , 1 mg/ml BSA and 50% glycerol.
Immunogen	E.coli-derived human PDGF beta recombinant protein (Position: S82-T190). Human PDGF beta shares 89% amino acid (aa) sequence identity with both mouse and rat PDGF beta.
Concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	27 kDa
Dilution Ratios	Western blot (WB):1:500-2000

Storage

12 months from date of receipt, -20°C as supplied.

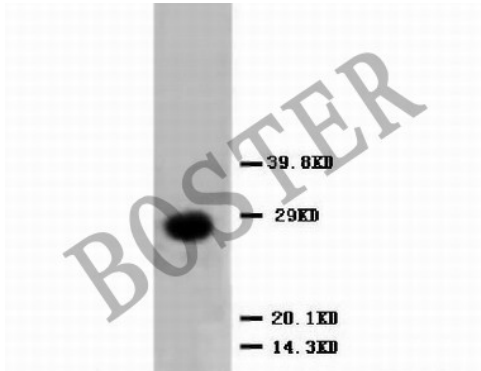
Background Information

Platelet-derived growth factor subunit B is a protein that in humans is encoded by the PDGFB gene. The protein encoded by this gene is a member of the platelet-derived growth factor family. This gene product can exist either as a homodimer (PDGF-BB) or as a heterodimer with the platelet-derived growth factor alpha polypeptide (PDGF-AB), where the dimers are connected by disulfide bonds. This gene is mapped to 22q13.1. Growth factor plays an essential role in the regulation of embryonic development, cell proliferation, cell migration, survival and chemotaxis. This gene plays an important role in wound healing. Signaling is modulated by the formation of heterodimers with PDGFA.

Reference

Anti-PDGF-BB/PDGFB Antibody被引用在3文献中。

Selected Validation Data



Western blot analysis of PDGF-BB/PDGFB using anti-PDGF-BB/PDGFB antibody (BA0519-2). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

Lane 1: human Jurkat whole cell lysates.

After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-PDGF-BB/PDGFB antigen affinity purified polyclonal antibody (BA0519-2) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for PDGF-BB/PDGFB at approximately 27 kDa. The expected band size for PDGF-BB/PDGFB is at 27 kDa.