

### Product Information

**Size:**

100ul(100ug)

**Reactivity:**

Human, Mouse, Rat

**Source:**

Rabbit

**Isotype:**

IgG

**Applications:**

ELISA, WB, IHC

**Recommended dilutions:**

ELISA:1:2000-1:10000, WB:1:500-1:2000,  
IHC:1:50-1:200

**Protein Background:**

PDGF-BB is a cystine-linked homodimer PDGF family member with key roles in development, cell proliferation, cell survival, and angiogenesis. PDGF-BB is expressed by vascular endothelium, megakaryocytes and Leydig cells. PDGF-BB targets pericytes, fibroblasts, monocytes and other cell types. PDGF induces fibroblast growth and migration and is a chemoattractant for monocytes and granulocytes. Precursor PDGF-BB is cleaved intracellularly to generate a form that contains a carboxy-terminal stretch that serves to retain PDGF-BB in the extracellular matrix. In a second cleavage event, the carboxy-terminal stretch is removed extracellularly to generate mature PDGF-BB. PDGF-BB binds to PDGFR beta and induces receptor dimerization. Signaling is through the PI3K/Akt, JNK, and PLC gamma pathways. PDGF-BB may have a role in some cancer types.

**Gene ID:**

PDGFB

**Uniprot**

P01127

**Synonyms:**

PDGFB; FLJ12858; PDGF2; SIS; SSV; c-sis

**Immunogen:**

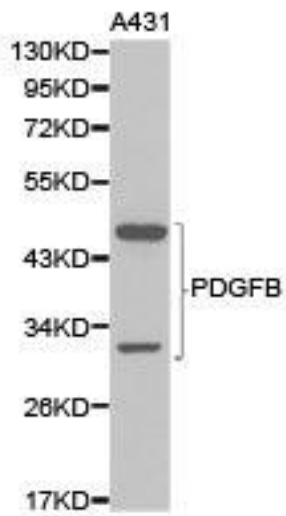
Recombinant protein of human PDGFB.

**Storage:**

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

## Product Images

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Western blot analysis of extracts of A431 cell lines using PDGFB antibody.