

# PDGFR beta Recombinant antibody

**Cat:**B36220S

**Company:** HaoKebio

**Uniprot ID:**P09619

**Applications:** IHC:1:500-1:2000

**Organism:**Rabbit

IHC-Polymer:1:2000-1:8000

**Species reactivity:**Human Mouse

IHC-TSA:1:2500-1:10000

**Molecular Weight Calculation:** 1106 aa, 124 kDa

IF:1:50-1:100

**Observed Molecular Weight:** 180 kDa

WB:1:5000-1:50000

**Background:**

The Platelet-Derived Growth Factor Receptor Beta (PDGFR $\beta$ ) is a receptor tyrosine kinase that plays a crucial role in various cellular processes, including cell proliferation, migration, and survival. In mice, PDGFR $\beta$  is particularly significant due to its expression in pericytes, which are cells that reside on the walls of capillaries and play a vital role in maintaining vascular stability and integrity. In the central nervous system (CNS) of mice, PDGFR $\beta$  is predominantly expressed in pericytes and vascular smooth muscle cells. It is involved in the formation and maintenance of the blood-brain barrier, as well as in the regulation of angiogenesis and vascular stability. Research in mouse models has shown that PDGFR $\beta$  signaling is crucial for tissue repair and functional recovery after stroke. Mice with disrupted PDGFR $\beta$  signaling exhibit delayed recovery and increased infarction volume following cerebral ischemia. The observed MW is about 180 kDa, which may be caused by post-translational modification.

Affinity purification

**Form:**

Liquid

**Storage Buffer:**

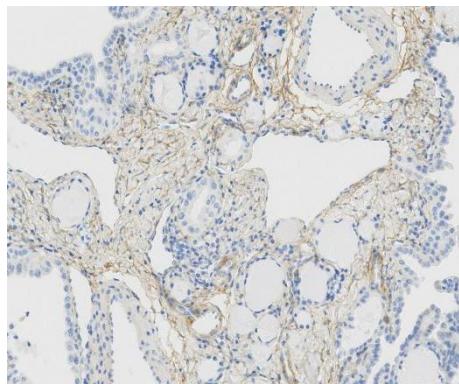
 PBS with 0.02% sodium azide, 100  $\mu$ g/ml BSA and 50% glycerol.

**Storage:**

Store at -20 °C for one year.

**Experimental procedure:**

Antigen retrieval: Citrate buffer (pH 9.0) , Medium high heat for 8 minutes, stop for 7 minutes, medium high heat for 8 minutes. Incubate antibody, 4°C overnight. Secondary antibody: Poly-HRP Goat Anti-Rabbit & Mouse Universal Secondary Antibody, RT, 1h.

**Images:**


Sample: Mouse lung, 4% PFA 12-24h

**Synonyms:**

PDGFRB, EC:2.7.10.1, CD140B, CD140 antigen-like family member B, Beta-type platelet-derived growth factor receptor

**Immunogen:**

Recombinant protein

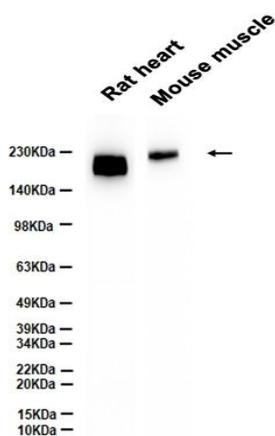
**Isotype:**

IgG

**Subcellular location:**

Membrane

**Purity:**



Dilution of 1:50000 incubated at room temperature for 1.5 hours.

**Source of Reagents:**

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