

For Research Use Only

# PDGFR beta Polyclonal antibody

Catalog Number: 32335-1-AP



## Basic Information

Catalog Number:

32335-1-AP

Size:

550 ug/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM\_008809.2

GeneID (NCBI):

18596

UNIPROT ID:

P05622-1

Full Name:

platelet derived growth factor  
receptor, beta polypeptide

Calculated MW:

123kDa

Observed MW:

180 kDa

Purification Method:

Antigen affinity Purification

Recommended Dilutions:

WB 1:1000-1:6000

## Applications

Tested Applications:

WB, ELISA

Species Specificity:

mouse, rat

Positive Controls:

WB : C2C12 cells, NIH/3T3 cells, C6 cells

## Background Information

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 (PMID: 20738866). 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 (PMID: 21952111). The observed MW is about 180 kDa, which may be caused by post-translational modification.

## Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

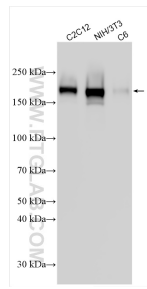
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 32335-1-AP (PDGFR beta antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.