

For Research Use Only

PDGFR beta Polyclonal antibody

Catalog Number: 32335-1-AP



Basic Information

Catalog Number:

32335-1-AP

Size:

150ul , Concentration: 550 ug/ml by Nanodrop;

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 β) is a receptor tyrosine kinase that plays a crucial role in various cellular processes, including cell proliferation, migration, and survival. In mice, PDGFR β 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 β 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 β signaling is crucial for tissue repair and functional recovery after stroke. Mice with disrupted PDGFR β 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

*** 20ul sizes contain 0.1% BSA

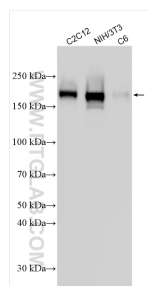
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

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.