

For Research Use Only

# PTPN4 Recombinant antibody

Catalog Number: 83695-1-RR



## Basic Information

**Catalog Number:**

83695-1-RR

**Size:**

100ul , Concentration: 1000 ug/ml by Nanodrop;

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG1585

**GenBank Accession Number:**

BC010674

**GeneID (NCBI):**

5775

**UNIPROT ID:**

P29074

**Full Name:**

protein tyrosine phosphatase, non-receptor type 4 (megakaryocyte)

**Calculated MW:**

106 kDa

**Observed MW:**

106 kDa

**Purification Method:**

Protein A purification

**CloneNo.:**

240739A11

**Recommended Dilutions:**

WB 1:5000-1:50000

## Applications

**Tested Applications:**

WB, ELISA

**Species Specificity:**

human, rat, pig

**Positive Controls:**

WB : rat brain tissue, pig brain tissue

## Background Information

PTPN4 is a member of the protein tyrosine phosphatase (PTP) family. PTPs are known to be signaling molecules that regulate a variety of cellular processes including cell growth, differentiation, mitotic cycle, and oncogenic transformation. This protein contains a C-terminal PTP domain and an N-terminal domain homologous to the band 4.1 superfamily of cytoskeletal-associated proteins. This PTP has been shown to interact with glutamate receptor delta 2 and epsilon subunits, and is thought to play a role in signalling downstream of the glutamate receptors through tyrosine dephosphorylation.

## 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

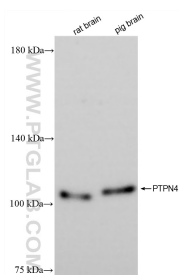
For technical support and original validation data for this product please contact:

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

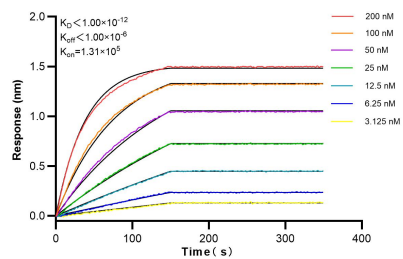
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 83695-1-RR (PTPN4 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 83695-1-RR against Human PTPN4 were performed. The affinity constant is below 1 pM.