

For Research Use Only

# PTPN4 Recombinant antibody

Catalog Number: 83695-1-RR



## Basic Information

|  |  |   |
|--|--|---|
| <b>Catalog Number:</b><br>83695-1-RR       | <b>GenBank Accession Number:</b><br>BC010674   | <b>Purification Method:</b><br>Protein A purification |
| <b>Size:</b><br>1000 µg/ml                 | <b>GeneID (NCBI):</b><br>5775  | <b>CloneNo.:</b><br>240739A11                         |
| <b>Source:</b><br>Rabbit                   | <b>UNIPROT ID:</b><br>P29074   | <b>Recommended Dilutions:</b><br>WB 1:5000-1:50000    |
| <b>Isotype:</b><br>IgG                     | <b>Full Name:</b><br>protein tyrosine phosphatase, non-receptor type 4 (megakaryocyte) |   |
| <b>Immunogen Catalog Number:</b><br>AG1585 | <b>Calculated MW:</b><br>106 kDa   |   |
|  | <b>Observed MW:</b><br>106 kDa   |   |

## Applications

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|--|--|
| <b>Tested Applications:</b><br>WB, ELISA       | <b>Positive Controls:</b><br>WB : rat brain tissue, pig brain tissue |
| <b>Species Specificity:</b><br>human, rat, pig |  |

## 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

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

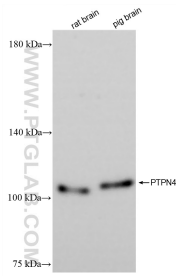
T: 4006900926

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

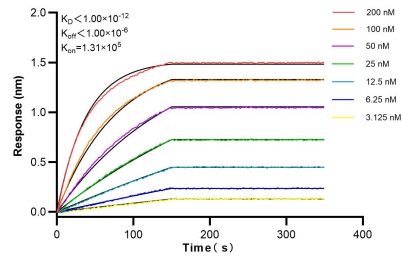
W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 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.