

# PTPN3 Rabbit Polyclonal Antibody



CAB6400

## Product Information

### Size:

20uL, 50uL, 100uL, 200uL

### Observed MW:

103kDa

### Calculated MW:

83kDa/88kDa/103kDa

### Applications:

WB IHC

### Reactivity:

Human, Mouse, Rat

## Antibody Information

### Recommended dilutions:

WB 1:500 - 1:2000 IHC 1:50  
- 1:200

### Source:

Rabbit

### Isotype:

IgG

### Purification:

Affinity purification

## Protein Background

The protein encoded by this gene 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. P97, a cell cycle regulator involved in a variety of membrane related functions, has been shown to be a substrate of this PTP. This PTP was also found to interact with, and be regulated by adaptor protein 14-3-3 beta. Several alternatively spliced transcript variants encoding different isoforms have been found for this gene.

## Immunogen information

### Gene ID:

5774

### Uniprot

P26045

### Synonyms:

PTPN3; PTP-H1; PTPH1

### Immunogen:

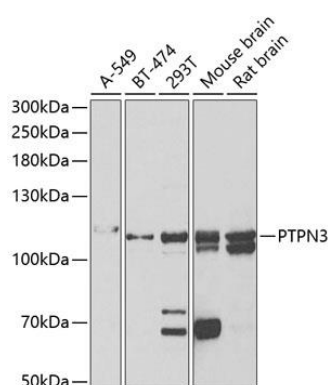
Recombinant fusion protein containing a sequence corresponding to amino acids 1-300 of human PTPN3 (NP\_001138840.1).

### Storage:

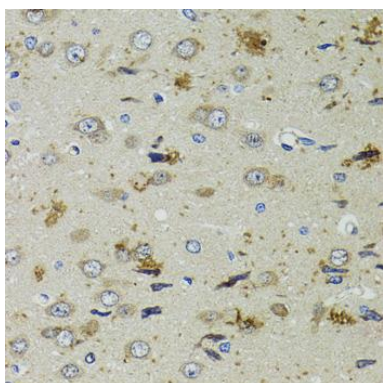
Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

## Product Images

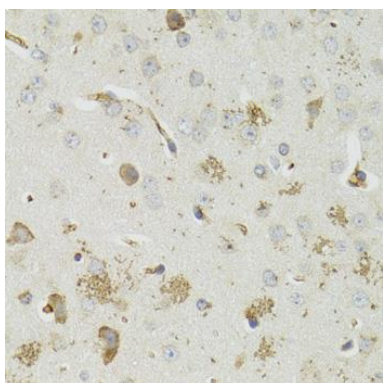
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Western blot analysis of extracts of various cell lines, using PTPN3 antibody (CAB6400) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Enhanced Kit (CABM00021). Exposure time: 10s.



Immunohistochemistry of paraffin-embedded rat brain using PTPN3 antibody (CAB6400) at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded mouse brain using PTPN3 antibody (CAB6400) at dilution of 1:100 (40x lens).