

For Research Use Only

PTPN18 Polyclonal antibody

Catalog Number: 17551-1-AP

3 Publications



Basic Information

Catalog Number:

17551-1-AP

Size:

320 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG11704

GenBank Accession Number:

BC052800

GeneID (NCBI):

26469

UNIPROT ID:

Q99952

Full Name:

protein tyrosine phosphatase, non-receptor type 18 (brain-derived)

Calculated MW:

460 aa, 50 kDa

Observed MW:

50 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:3000

IHC 1:20-1:200

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human

Cited Species:

human, mouse

Positive Controls:

WB : Jurkat cells, human brain tissue

IHC : human brain tissue,

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information

PTPN18 (Tyrosine-protein phosphatase non-receptor type 18) is also named as BDP1 and belongs to the protein-tyrosine phosphatase family. The PTPN18 cDNA encodes a deduced 459-amino acid protein with no transmembrane domain and a calculated molecular weight of 50 kD. PTPN18 has a PEST motif and shares the greatest homology with members of the PTP-PEST gene family. Northern blot analysis indicated that PTPN18 is expressed not only in brain, but also in colon and several different tumor-derived cell lines. (PMID:8950995). It has 2 isoforms produced by alternative splicing.

Notable Publications

Author	Pubmed ID	Journal	Application
Guangyan Zhangyuan	29742497	Cell Physiol Biochem	IHC
Junhong Cai	31034093	Clin Exp Pharmacol Physiol	WB
Zhenyu Zhou	38787319	Mol Cancer Res	IHC, IF

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:

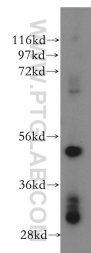
T: 4006900926

E: Proteintech-CN@ptglab.com

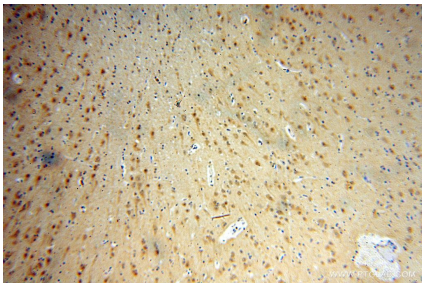
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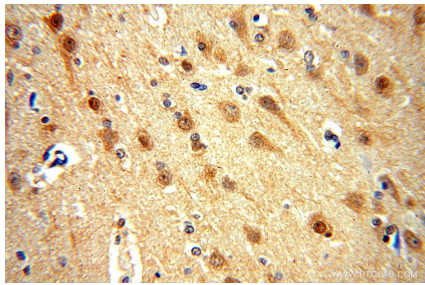
Selected Validation Data



Jurkat cells were subjected to SDS PAGE followed by western blot with 17551-1-AP (PTPN18 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human brain using 17551-1-AP (PTPN18 antibody) at dilution of 1:100 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human brain using 17551-1-AP (PTPN18 antibody) at dilution of 1:100 (under 40x lens).