

For Research Use Only

PTPN18 Polyclonal antibody

Catalog Number: 17551-1-AP **2 Publications**



Basic Information

Catalog Number: 17551-1-AP	GenBank Accession Number: BC052800	Purification Method: Antigen affinity purification
Size: 320 µg/ml	GeneID (NCBI): 26469	Recommended Dilutions: WB 1:500-1:3000 IHC 1:20-1:200
Source: Rabbit	UNIPROT ID: Q99952	
Isotype: IgG	Full Name: protein tyrosine phosphatase, non-receptor type 18 (brain-derived)	
Immunogen Catalog Number: AG11704	Calculated MW: 460 aa, 50 kDa	
	Observed MW: 50 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls: WB : Jurkat cells, human brain tissue IHC : human brain tissue,
Cited Applications: WB, IHC	
Species Specificity: human	
Cited Species: human	

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

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:

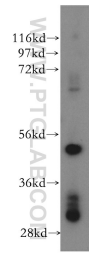
T: 4006900926

E: Proteintech-CN@ptglab.com

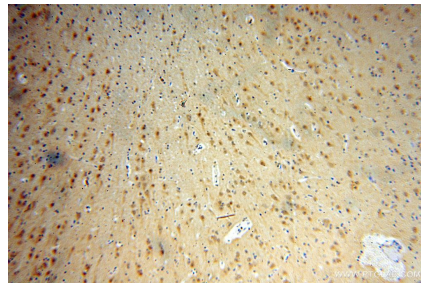
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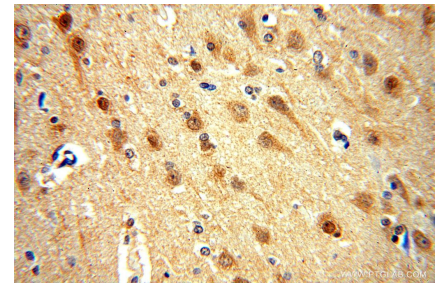
Selected Validation Data



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).