



Rabbit Anti-PTPN18 antibody

SL4430R

Product Name:	PTPN18
Chinese Name:	脑源性磷酸酶PTPN18抗体
Alias:	BDP 1; Brain derived phosphatase; Brain-derived phosphatase; Protein tyrosine phosphatase non receptor type 18; Protein tyrosine phosphatase non receptor type 18 brain derived; PTN18_HUMAN; PTP HSCF; PTPN 18; PTPN18; Tyrosine protein phosphatase non receptor type 18; Tyrosine-protein phosphatase non-receptor type 18.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Pig,Cow,Horse,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	50kDa
Cellular localization:	The nucleuscytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human PTPN18:581-460/460
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	Preservative: 15mM Sodium Azide, Constituents: 1% BSA, 0.01M PBS, pH 7.4
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	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, the mitotic cycle, and oncogenic transformation. This PTP contains a PEST motif, which often serves as a protein-protein

interaction domain, and may be related to protein intracellular half-life. This protein can differentially dephosphorylate autophosphorylated tyrosine kinases that are overexpressed in tumor tissues, and it appears to regulate HER2, a member of the epidermal growth factor receptor family of receptor tyrosine kinases. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Nov 2008]

Function:

Differentially dephosphorylate autophosphorylated tyrosine kinases which are known to be overexpressed in tumor tissues.

Subcellular Location:

Nucleus. Cytoplasm.

Tissue Specificity:

Expressed in brain, colon and several tumor-derived cell lines.

Similarity:

Belongs to the protein-tyrosine phosphatase family. Non-receptor class 4 subfamily. Contains 1 tyrosine-protein phosphatase domain.

SWISS:

Q99952

Gene ID:

26469

Database links:

[Entrez Gene: 26469](#) Human

[Omim: 606587](#) Human

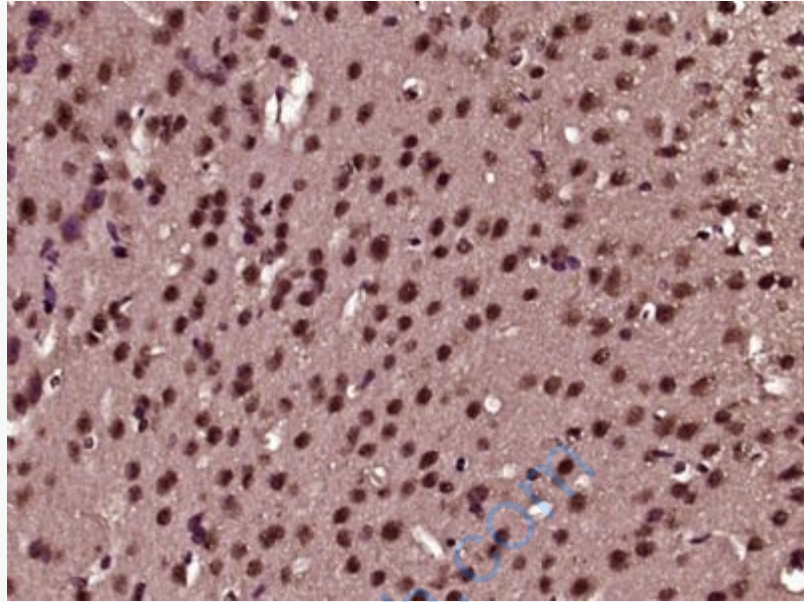
[SwissProt: Q99952](#) Human

[Unigene: 516390](#) Human

[Unigene: 726000](#) Human

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.



Picture:

Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (PTPN18) Polyclonal Antibody, Unconjugated (SL4430R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.