

PTPN18 Antibody (C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP16925B**Specification**

PTPN18 Antibody (C-term) - Product Information

Application	WB,E
Primary Accession	O99952
Other Accession	O61152 , NP_055184.2
Reactivity	Human
Predicted	Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	50482
Antigen Region	430-459

PTPN18 Antibody (C-term) - Additional Information**Gene ID** 26469**Other Names**

Tyrosine-protein phosphatase non-receptor type 18, Brain-derived phosphatase, PTPN18, BDP1

Target/Specificity

This PTPN18 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 430-459 amino acids from the C-terminal region of human PTPN18.

Dilution

WB~~1:1000

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

PTPN18 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

PTPN18 Antibody (C-term) - Protein Information**Name** PTPN18**Synonyms** BDP1

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

Cellular Location

Nucleus. Cytoplasm.

Tissue Location

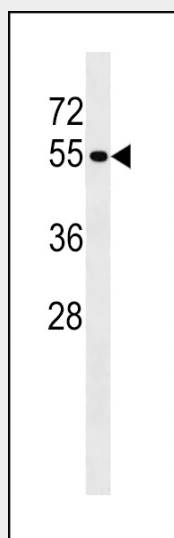
Expressed in brain, colon and several tumor-derived cell lines.

PTPN18 Antibody (C-term) - Protocols

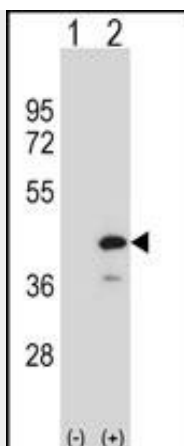
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

PTPN18 Antibody (C-term) - Images



PTPN18 Antibody (C-term) (Cat. #AP16925b) western blot analysis in MDA-MB231 cell line lysates (35ug/lane). This demonstrates the PTPN18 antibody detected the PTPN18 protein (arrow).



Western blot analysis of PTPN18 (arrow) using rabbit polyclonal PTPN18 Antibody (C-term) (Cat. #AP16925b). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the PTPN18 gene.

PTPN18 Antibody (C-term) - 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, 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].

PTPN18 Antibody (C-term) - References

Oh, J.H., et al. Mamm. Genome 16(12):942-954(2005)
Zhang, Y., et al. Mol. Cell Proteomics 4(9):1240-1250(2005)
Tao, W.A., et al. Nat. Methods 2(8):591-598(2005)
Blanchetot, C., et al. Methods 35(1):44-53(2005)
Gandhi, T.K., et al. DNA Res. 12(2):79-89(2005)