

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

E~~Use at an assay dependent concentration.

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.

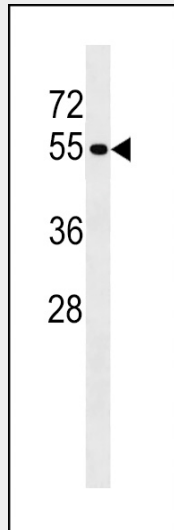
Tissue Location

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

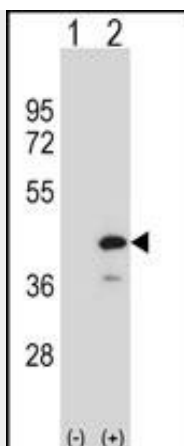
PTPN18 Antibody (C-term) - Protocols

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)