

Rabbit PTPN18 Polyclonal Antibody | anti-PTPN18 antibody

PTPN18 Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA283925	Rabbit	Human (Predicted Reactivity: Mouse)	ELISA, Western Blot

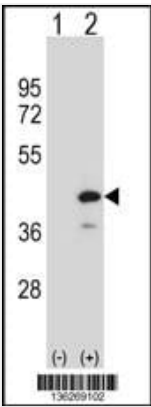
PRODUCT SYNONYMS

PTPN18; Polyclonal Antibody; PTPN18 Antibody (C-term); Tyrosine-protein phosphatase non-receptor type 18; Brain-derived phosphatase; BDP1; anti-PTPN18 antibody

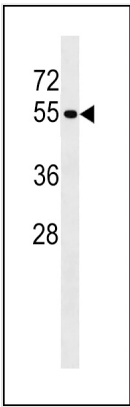
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Mouse)
Clonality	Polyclonal
Isotype	Rabbit Ig
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.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/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.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	430-459
Sequence Length	353
Applicable Applications for anti-PTPN18 antibody	ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



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



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

ADDITIONAL INFORMATION

Related Product Information for anti-PTPN18 antibody	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-live. 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].
Product Categories/Family for anti-PTPN18 antibody	Signal Transduction
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)

NCBI AND UNIPROT INFORMATION

NCBI GI #	215277017
NCBI GeneID	26469
NCBI Accession #	NP_001135842.1; NP_055184.2
NCBI GenBank Nucleotide #	NM_001142370.1
UniProt Accession #	Q99952; Q53P42; B4E1E6
Molecular Weight	50482
NCBI Official Full Name	tyrosine-protein phosphatase non-receptor type 18 isoform 2
NCBI Official Synonym Full Names	protein tyrosine phosphatase, non-receptor type 18 (brain-derived)
NCBI Official Symbol	PTPN18

NCBI Official Synonym Symbols	BDP1; PTP-HSCF
NCBI Protein Information	tyrosine-protein phosphatase non-receptor type 18
UniProt Protein Name	Tyrosine-protein phosphatase non-receptor type 18
UniProt Gene Name	PTPN18
UniProt Synonym Gene Names	BDP1
UniProt Entry Name	PTN18_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/ptpn18-antibody-western-blot-elisa/283925>