

Rabbit anti-Human PTPN1 Polyclonal Antibody | anti-PTPN1 antibody

[KO Validated] PTPN1 Rabbit pAb

CATALOG # AAA282218	HOST Rabbit	REACTIVITY Human	APPLICATIONS Western Blot
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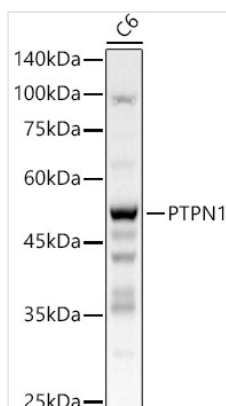
PRODUCT SYNONYMS

PTPN1; Polyclonal Antibody; [KO Validated] PTPN1 Rabbit pAb; PTP1B; anti-PTPN1 antibody

PRODUCT SPECIFICATIONS

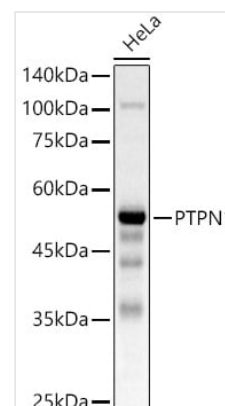
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.05% proclin300, 50% glycerol, pH7.3.
Applicable Applications for anti-PTPN1 antibody	WB (Western Blot)
Positive Samples	HeLa, C6
Immunogen	Recombinant protein of human PTPN1
Cellular Location	cytoplasm, cytosol, early endosome, endoplasmic reticulum, endosome lumen, mitochondrial crista, mitochondrial matrix, sorting endosome
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



WB (Western Blot)

Western blot analysis of C6, using PTPN1 antibody at 1:610 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 1s.



WB (Western Blot)

Western blot analysis of HeLa, using PTPN1 antibody at 1:610 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 1s.

ADDITIONAL INFORMATION

Related Product Information for anti-PTPN1 antibody	The protein encoded by this gene is the founding member of the protein tyrosine phosphatase (PTP) family, which was isolated and identified based on its enzymatic activity and amino acid sequence. PTPs catalyze the hydrolysis of the phosphate monoesters specifically on tyrosine residues. Members of the PTP family share a highly conserved catalytic motif, which is essential for the catalytic activity. PTPs are known to be signaling molecules that regulate a variety of cellular processes including cell growth, differentiation, mitotic cycle, and oncogenic transformation. This PTP has been shown to act as a negative regulator of insulin signaling by dephosphorylating the phosphotyrosine residues of insulin receptor kinase. This PTP was also reported to dephosphorylate epidermal growth factor receptor kinase, as well as JAK2 and TYK2 kinases, which implicated the role of this PTP in cell growth control, and cell response to interferon stimulation. Two transcript variants encoding different isoforms have been found for this gene.
Product Categories/Family for anti-PTPN1 antibody	Epigenetics & Nuclear Signaling; RNA Binding; Signal Transduction; Kinase; Tyrosine kinases; Cell Biology & Developmental Biology; Cell Adhesion; Endocrine & Metabolism; Insulin Receptor Signaling Pathway; Endocrine and metabolic diseases; Diabetes; Immun

NCBI AND UNIPROT INFORMATION

NCBI GeneID	5770
UniProt Accession #	Q10SH0
Molecular Weight	Observed MW: 50KDa Calculated MW: 49kDa

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://stage.aaabiotech.com/polyclonal/ptpn1-antibody-western-blot-elisa/282218>