

Rabbit anti-Human PTPN2 Polyclonal Antibody | anti-PTPN2 antibody

PTPN2 Antibody (C-term)

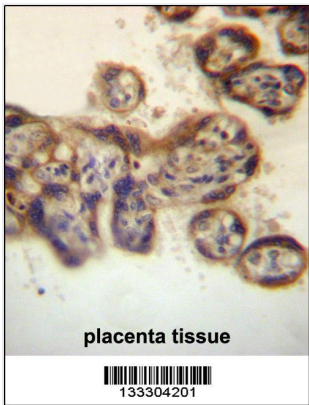
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA284741	Rabbit	Human	Western Blot, Immunohistochemistry, ELISA

PRODUCT SYNONYMS

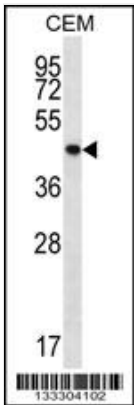
PTPN2; Polyclonal Antibody; PTPN2 Antibody (C-term); Tyrosine-protein phosphatase non-receptor type 2; T-cell protein-tyrosine phosphatase; TCPTP; PTPT; anti-PTPN2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This PTPN2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 329-358 amino acids from the C-terminal region of human PTPN2.
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: 0.45 (varies by lot)
Sequence Positions	329-358
Sequence Length	410
Applicable Applications for anti-PTPN2 antibody	WB (Western Blot), IHC (Immunohistochemistry), ELISA
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.



IHC (Immunohiostchemistry)
PTPN2 Antibody (C-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human placenta tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of PTPN2 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
PTPN2 Antibody (C-term) western blot analysis in CEM cell line lysates (35ug/lane).This demonstrates the PTPN2 antibody detected the PTPN2 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-PTPN2 antibody	The protein encoded by this gene is a member of the protein tyrosine phosphatase (PTP) family. 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. Epidermal growth factor receptor and the adaptor protein Shc were reported to be substrates of this PTP, which suggested the roles in growth factor mediated cell signaling. Three alternatively spliced variants of this gene, which encode isoforms differing at their extreme C-termini, have been described. The different C-termini are thought to determine the substrate specificity, as well as the cellular localization of the isoforms. Two highly related but distinctly processed pseudogenes that localize to distinct chromosomes have been reported. [provided by RefSeq].
Product Categories/Family for anti-PTPN2 antibody	Signal Transduction
References	Scharl, M., et al. Am. J. Physiol. Gastrointest. Liver Physiol. 299 (4), G935-G945 (2010) : Morgan, A.R., et al. Tissue Antigens 76(2):119-125(2010) Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) : Kleppe, M., et al. Nat. Genet. 42(6):530-535(2010) Amre, D.K., et al. Aliment. Pharmacol. Ther. 31(11):1186-1191(2010)

NCBI AND UNIPROT INFORMATION

NCBI GI #	333108231
NCBI GeneID	5771
NCBI Accession #	NP_002819.2; NP_536347.1; NP_536348.1
NCBI GenBank Nucleotide #	NM_002828.3
UniProt Accession #	P17706; Q96AU5; Q96HR2; A8K955; A8MXU3; K7ENG3
Molecular Weight	48473
NCBI Official Full Name	tyrosine-protein phosphatase non-receptor type 2 isoform 1

NCBI Official Synonym Full Names	protein tyrosine phosphatase, non-receptor type 2
NCBI Official Symbol	PTPN2
NCBI Official Synonym Symbols	PTN2; PTPT; TCPTP; TC-PTP; TCELLPTP
NCBI Protein Information	tyrosine-protein phosphatase non-receptor type 2
UniProt Protein Name	Tyrosine-protein phosphatase non-receptor type 2
UniProt Gene Name	PTPN2
UniProt Synonym Gene Names	PTPT; TCPTP
UniProt Entry Name	PTN2_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/ptpn2-antibody-western-blot-immunohistochemistry-elisa/284741>