

Rabbit anti-Human PTP1B Polyclonal Antibody | anti-PTPN1 antibody

PTP1B Rabbit anti-Human Polyclonal Antibody

CATALOG # AAA163014	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry
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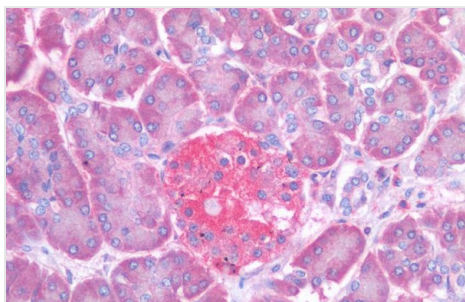
PRODUCT SYNONYMS

PTP1B; Polyclonal Antibody; PTP1B Rabbit anti-Human Polyclonal Antibody; PathPlus PTP1B Antibody; PTPN1; PTP-1B; PTPase 1B; anti-PTPN1 antibody

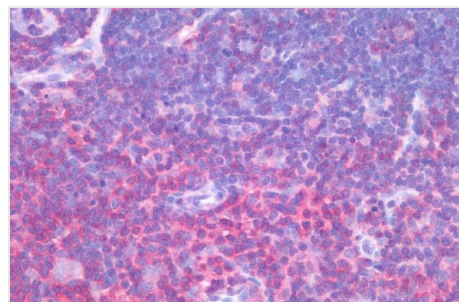
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Immunoaffinity purified
Form/Format	PBS, 0.1% Sodium Azide
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-PTPN1 antibody	IHC (Immunohistochemistry)
Target	Human PTP1B
Immunogen	LP-10976, synthetic peptide
Conjugation	Unconjugated
Family	Protein Phosphatase
Subfamily	NT1
Preparation and Storage	Aliquot and store undiluted at -20 degree C or below for up to 1 year. Can be stored undiluted at 4 degree C for up to 1 month. Avoid freeze-thaw cycles.

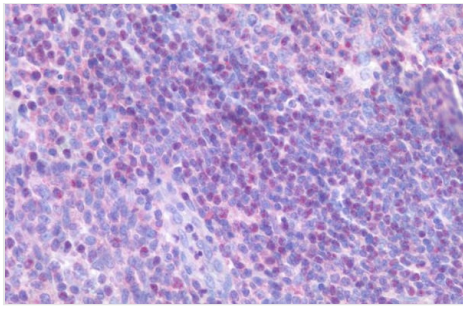
IMAGES


IHC (Immunohistochemisry)

PTP1B Antibody-Human Pancreas, Islet of Langerhans: Formalin-Fixed, Paraffin-Embedded (FFPE)


IHC (Immunohiostchemistry)

PTP1B Antibody-Human Thymus: Formalin-Fixed, Paraffin-Embedded (FFPE)



IHC (Immunohistochemistry)
PTP1B Antibody-Human Tonsil: Formalin-Fixed, Paraffin-Embedded (FFPE)

ADDITIONAL INFORMATION

Related Product Information for anti-PTPN1 antibody	PTP1B antibody is an unconjugated rabbit polyclonal antibody to PTP1B from human. Validated for IHC. PTPN1 (PTP1B) is the founding member of the protein tyrosine phosphatase (PTP) family of proteins, which catalyze the hydrolysis of the phosphate monoesters specifically on tyrosine residues. PTPs are signaling molecules that regulate a variety of cellular processes including cell growth, differentiation, mitotic cycle, and oncogenic transformation. PTPN1 dephosphorylates the EGFR, JAK2 and TYK2 kinases, implicating PTPN1 in cell growth control and cell response to interferon stimulation. PTPN1 has been shown to act as a negative regulator of insulin signaling by dephosphorylating the phosphotyrosine residues of insulin receptor kinase. It is also thought to contribute to breast tumorigenesis. Because of this, PTPN1 is a putative therapeutic target for type 2 diabetes and some forms of cancer.
References	The UniProt Consortium. Nucleic Acids Res. 47: D506-515 (2019); Nucleic Acids Res. 2016 Jan 4;44(D1):D733-45, PMID:26553804; Cancer Res. 67 (6): 2420 -4, PMID: 17347513; J. Med. Chem. 53 (6): 2333 -44, PMID: 20000419;

NCBI AND UNIPROT INFORMATION

NCBI GI #	4506289
NCBI GeneID	5770
NCBI Accession #	NP_002818.1
NCBI GenBank Nucleotide #	NM_002827
UniProt Accession #	P18031; Q5TGD8; Q9BQV9; Q9NQQ4
Molecular Weight	49,967 Da
NCBI Official Full Name	tyrosine-protein phosphatase non-receptor type 1
NCBI Official Synonym Full Names	protein tyrosine phosphatase, non-receptor type 1
NCBI Official Symbol	PTPN1
NCBI Official Synonym Symbols	PTP1B
NCBI Protein Information	tyrosine-protein phosphatase non-receptor type 1; protein tyrosine phosphatase 1B; protein-tyrosine phosphatase 1B; protein tyrosine phosphatase, placental
UniProt Protein Name	Tyrosine-protein phosphatase non-receptor type 1
UniProt Gene Name	PTPN1
UniProt Synonym Gene Names	PTP1B; PTP-1B
UniProt Entry Name	PTN1_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.