

Rabbit anti-Human PTPD1 Polyclonal Antibody | anti-PTPN21 antibody

PTPD1 Antibody (Center)

CATALOG # AAA284448	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, ELISA, Western Blot
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PRODUCT SYNONYMS

PTPD1; Polyclonal Antibody; PTPD1 Antibody (Center); Tyrosine-protein phosphatase non-receptor type 21; Protein-tyrosine phosphatase D1; PTPN21; anti-PTPN21 antibody

PRODUCT SPECIFICATIONS

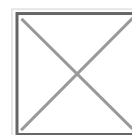
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This PTPD1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 751-780 amino acids from the Central region of human PTPD1.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	751-780
Sequence Length	1,174
Applicable Applications for anti-PTPN21 antibody	IHC (Immunohistochemistry), 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



IHC (Immunohistochemistry)

Formalin-fixed and paraffin-embedded human skeletal muscle tissue reacted with PTPD1 antibody (Center), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)

Western blot analysis of anti-PTPD1 Pab in Placenta tissue lysate (35ug/lane). PTPD1(arrow) was detected using the purified Pab

ADDITIONAL INFORMATION

Related Product Information for anti-PTPN21 antibody	PTPD1 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, mitotic cycle, and oncogenic transformation. This PTP contains an N-terminal domain, similar to cytoskeletal- associated proteins including band 4.1, ezrin, merlin, and radixin. This PTP was shown to specially interact with BMX/ETK, a member of Tec tyrosine kinase family characterized by a multimodular structures including PH, SH3, and SH2 domains. The interaction of this PTP with BMX kinase was found to increase the activation of STAT3, but not STAT2 kinase. Studies of the similar gene in mice suggested the possible roles of this PTP in liver regeneration and spermatogenesis.
Product Categories/Family for anti-PTPN21 antibody	Signal Transduction
References	Jui, H.Y., et al., J. Biol. Chem. 275(52):41124-41132 (2000). Tokuchi, H., et al., Int J Urol 6(11):572-577 (1999). Higashitsuji, H., et al., Oncogene 10(2):407-414 (1995). Moller, N.P., et al., Proc. Natl. Acad. Sci. U.S.A. 91(16):7477-7481 (1994).

NCBI AND UNIPROT INFORMATION

NCBI GI #	150418005
NCBI GeneID	11099
NCBI Accession #	NP_008970.2
NCBI GenBank Nucleotide #	NM_007039.3
UniProt Accession #	Q16825
Molecular Weight	133281
NCBI Official Full Name	tyrosine-protein phosphatase non-receptor type 21
NCBI Official Synonym Full Names	protein tyrosine phosphatase, non-receptor type 21
NCBI Official Symbol	PTPN21
NCBI Official Synonym Symbols	PTPD1; PTPRL10
NCBI Protein Information	tyrosine-protein phosphatase non-receptor type 21
UniProt Protein Name	Tyrosine-protein phosphatase non-receptor type 21
UniProt Gene Name	PTPN21
UniProt Synonym Gene Names	PTPD1
UniProt Entry Name	PTN21_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://stage.aaabiotech.com/polyclonal/ptpd1-antibody-immunohistochemistry-western-blot-elisa/284448>