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

Anti-TCPTP Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA255013	**Rabbit**	**Human**	**Immunohistochemistry, ELISA**

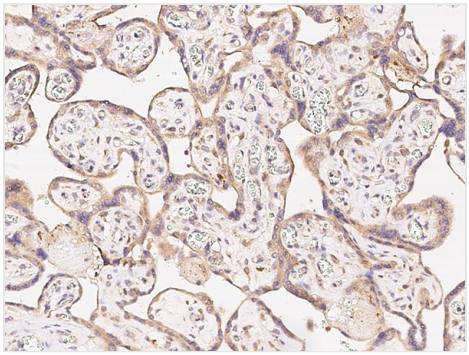
PRODUCT SYNONYMS

TCPTP; Polyclonal Antibody; Anti-TCPTP Antibody; Rabbit Polyclonal; PTPN2/TC-PTP Antibody; Rabbit PAb; Antigen Affinity Purified; protein tyrosine phosphatase; non-receptor type 2; Anti-PTN2 Antibody; Anti-PTPT Antibody; Anti-TC-PTP Antibody; Anti-TCELLPTP Antibody; anti-PTPN2 antibody

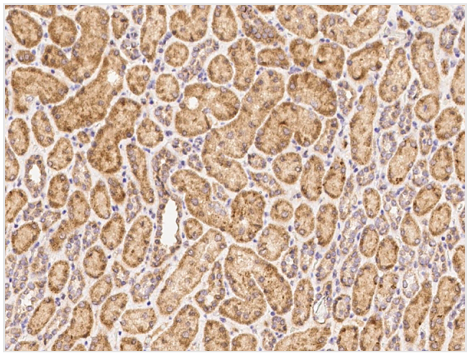
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human PTPN2/TC-PTP
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-PTPN2 antibody	IHC (Immunohistochemistry), ELISA
Immunogen	Recombinant Human PTPN2/TC-PTP Protein
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with purified, recombinant Human PTPN2/TC-PTP (rh PTPN2/TC-PTP). PTPN2/TC-PTP specific IgG was purified by Human PTPN2/TC-PTP affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



IHC (Immunohiostchemistry)
Immunochemical staining of human PTPN2 in human placenta with rabbit polyclonal antibody at 1:500 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohistochemistry)
Immunochemical staining of human PTPN2 in human kidney with rabbit polyclonal antibody at 1:500 dilution, formalin-fixed paraffin embedded sections.

ADDITIONAL INFORMATION

Related Product Information for anti-PTPN2 antibody	Tyrosine-protein phosphatase non-receptor type 2, also known as T-cell protein-tyrosine phosphatase, PTPN2 and PTPT, is a cytoplasm protein that belongs to the protein-tyrosine phosphatase family and Non-receptor class 1 subfamily. Members of the protein tyrosine phosphatase (PTP) family share a highly conserved catalytic motif, which is essential for the catalytic activity. TC-PTP/PTPN2 is a cytosolic tyrosine phosphatase that functions as a negative regulator of a variety of tyrosine kinases and other signaling proteins. The expression of TC-PTP/PTPN2 plays a role of tumor suppressor and may modulate response to treatment. 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. TC-PTP/PTPN2 is an enzyme that is essential for the proper functioning of the immune system and that participates in the control of cell proliferation, and inflammation. TC-PTP/PTPN2 was identified as a negative regulator of NUP214-ABL1 kinase activity.
Product Categories/Family for anti-PTPN2 antibody	Phosphatases and Regulators
References	Cool D., et al., (1989), cDNA isolated from a human T-cell library encodes a member of the protein-tyrosine-phosphatase family. Proc. Natl. Acad. Sci. U.S.A. 86:5257-5261.Ota T., et al., (2004), Complete sequencing and characterization of 21, 243 full-length human cDNAs.Nat. Genet. 36:40-45.Nusbaum C., et al., (2005), DNA sequence and analysis of human chromosome 18.Nature 437:551-555.

NCBI AND UNIPROT INFORMATION

NCBI GI #	229462762
NCBI GeneID	5771
UniProt Accession #	P17706; Q96AU5; Q96HR2; A8K955; A8MXU3; K7ENG3
Molecular Weight	415
NCBI Official Full Name	Tyrosine-protein phosphatase non-receptor type 2
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; T-cell protein tyrosine phosphatase
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://stage.aaabiotech.com/polyclonal/tcptp-antibody-immunohistochemistry-elisa/255013