

anti-Human, Rat TCPTP Polyclonal Antibody | anti-TCPTP antibody

Anti-TCPTP Antibody

CATALOG # AAA46276	REACTIVITY Human, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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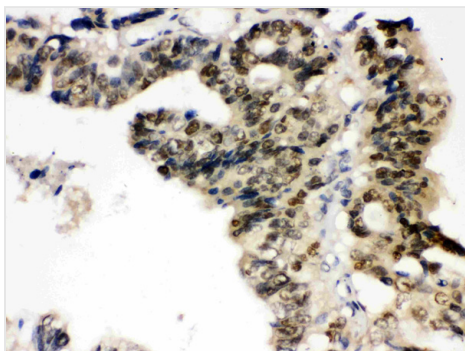
PRODUCT SYNONYMS

TCPTP; Polyclonal Antibody; Anti-TCPTP Antibody; Tyrosine-protein phosphatase non-receptor type 2; Protein tyrosine phosphatase non receptor type 2; PTN2; PTN2_HUMAN; PTPN 2; PTPN2; PTPT; T cell protein tyrosine phosphatase; T-cell protein-tyrosine phosphatase; TC PTP; TCELLPTP; Tyrosine protein phosphatase non receptor type 2; protein tyrosine phosphatase; non-receptor type 2; anti-TCPTP antibody

PRODUCT SPECIFICATIONS

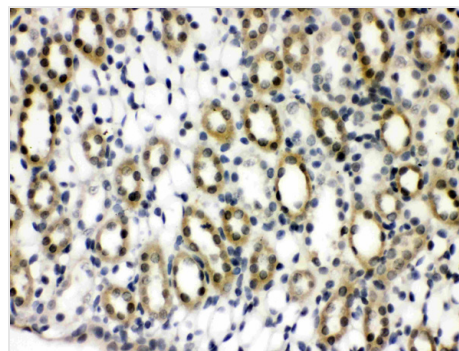
Reactivity	Human, Rat
Clonality	Polyclonal
Purity/Purification	Immunogen Affinity Purified
Form/Format	Lyophilized. Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Sequence Length	410
Applicable Applications for anti-TCPTP antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E Coli-derived human TCPTP recombinant protein (Position: M1-C330). Human TCPTP shares 91.4% and 92% amino acid (aa) sequence identity with mouse and rat TCPTP, respectively.
Ig Type	Rabbit IgG
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquoted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



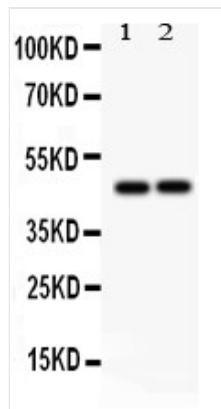
IHC (Immunohistochemistry)

Anti- TCPTP Picoband antibody, AAA46276,IHC(P)IHC(P): Human Intestinal Cancer Tissue



IHC (Immunohistochemistry)

Anti- TCPTP Picoband antibody, AAA46276,IHC(P)IHC(P): Rat Kidney Tissue



WB (Western Blot)

Anti- TCPTP Picoband antibody, AAA46276, Western blottingAll lanes: Anti TCPTP (AAA46276) at 0.5ug/mlLane 1: HELA Whole Cell Lysate at 40ugLane 2: JURKAT Whole Cell Lysate at 40ugPredicted bind size: 48KDObserved bind size: 48KD

ADDITIONAL INFORMATION

Related Product Information for anti-TCPTP antibody	Description: Rabbit IgG polyclonal antibody for Tyrosine-protein phosphatase non-receptor type 2(PTPN2) detection. Tested with WB, IHC-P in Human;Rat. Background: TCPTP is also called as PTPN2. 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. Multiple alternatively spliced transcript variants encoding different isoforms have been found. Two highly related but distinctly processed pseudogenes that localize to chromosomes 1 and 13, respectively, have been reported.
References	1. "Entrez Gene: PTPN2 protein tyrosine phosphatase, non-receptor type 2". 2. Brown-Shimer S, Johnson KA, Lawrence JB, Johnson C, Bruskin A, Green NR, Hill DE (Aug 1990). "Molecular cloning and chromosome mapping of the human gene encoding protein phosphotyrosyl phosphatase 1B". Proc Natl Acad Sci U S A 87 (13): 5148-52.

NCBI AND UNIPROT INFORMATION

NCBI GI #	333108235
NCBI GeneID	5771
NCBI Accession #	NP_001193942.1
NCBI GenBank Nucleotide #	NM_001207013.1
UniProt Accession #	P17706; Q96AU5; Q96HR2; A8K955; A8MXU3; K7ENG3
Molecular Weight	48,017 Da
NCBI Official Full Name	tyrosine-protein phosphatase non-receptor type 2 isoform 4
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

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/tcctp-antibody-immunohistochemistry-western-blot-elisa/46276>