Rabbit TC-PTP Polyclonal Antibody | anti-PTPN2 antibody

Anti-TC-PTP Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA262748	**Rabbit**	**Human, Mouse, Rat**	**Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot**

PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Specificity	Recognizes endogenous levels of TC-PTP protein.
Purity/Purification	The antibody was purified by immunogen affinity chromatography.
Form/Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Sequence Length	410
Applicable Applications for anti-PTPN2 antibody	ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Recombinant full length protein of human TC-PTP
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES

IF (Immunofluorescence)
Immunofluorescent analysis of TC-PTP staining in Jurkat cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark.

IHC (Immunohiostchemistry)
Immunohistochemical analysis of TC-PTP staining in human lung cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

WB (Western Blot)
Western blot analysis of TC-PTP expression in Jurkat (A), K562 (B) whole cell lysates.

ADDITIONAL INFORMATION

Related Product Information for anti-PTPN2 antibody	Rabbit polyclonal antibody to TC-PTP

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
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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