

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

Rabbit anti-PTPN2/TCPTP Antibody, Affinity Purified

CATALOG # AAA213141	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunoprecipitation, Western Blot
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PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
Concentration	1000ug/ml (varies by lot)
Applicable Applications for anti-PTPN2/TCPTP antibody	IP (Immunoprecipitation), WB (Western Blot)
Immunogen	Between 1 and 50
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt

IMAGES



WB (Western Blot)

Detection of human PTPN2 by western blot. Samples: Whole cell lysate (50 ug) from HeLa, HEK293T, and Jurkat cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-PTPN2 antibody AAA213141 (lot AAA213141-1) used for WB at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 10 seconds.



IP (Immunoprecipitation)

Detection of human PTPN2 by western blot of immunoprecipitates. Samples: Whole cell lysate (0.5 or 1.0 mg per IP reaction; 20% of IP loaded) from HeLa cells prepared using NETN lysis buffer. Antibodies: Affinity purified rabbit anti-PTPN2 antibody AAA213141 (lot AAA213141-1) used for IP at 6 ug per reaction. PTPN2 was also immunoprecipitated by rabbit anti-PTPN2 antibody For blotting immunoprecipitated PTPN2, AAA213141 was used at 1 ug/ml. Detection: Chemiluminescence with an exposure time of 10 seconds.

ADDITIONAL INFORMATION

Related Product Information for anti-PTPN2/TCPTP antibody

The gene PTPN2, also known as TCPTP or TCP-TP, encodes for the protein tyrosine phosphatase (PTP) family member, tyrosine-protein phosphatase non-receptor type 2. PTPs are known to be signaling molecules that regulate a variety of cellular processes including cell growth, differentiation, mitotic cycle, and oncogenic transformation. PTPN2 dephosphorylates both receptor and non-receptor protein tyrosine kinases. PTPN2/TCPTP negatively regulates numerous signaling pathways and biological processes like hematopoiesis, inflammatory response, cell proliferation and differentiation, and glucose homeostasis [taken from NCBI Entrez Gene (Gene ID: 5771) and UniProtKB (Entry: P17706)].

NCBI AND UNIPROT INFORMATION

NCBI GeneID	5771
UniProt Accession #	P17706
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/ptpn2-tcctp-antibody-immunoprecipitation-western-blot-elisa/213141>