

Rabbit anti-Human, Rat PTPN2 Polyclonal Antibody | anti-PTPN2 antibody

PTPN2 Polyclonal Antibody

CATALOG # AAA36970	HOST Rabbit	REACTIVITY Human, Rat	APPLICATIONS Immunofluorescence, Immunohistochemistry, Western Blot
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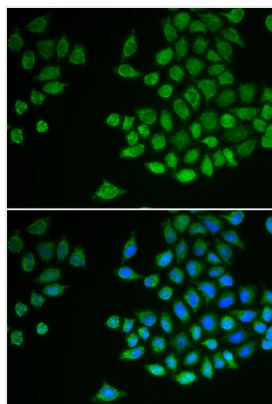
PRODUCT SYNONYMS

PTPN2; Polyclonal Antibody; PTPN2 Polyclonal Antibody; PTN2; PTPT; TCPTP; TC-PTP; TCELLPTP; anti-PTPN2 antibody

PRODUCT SPECIFICATIONS

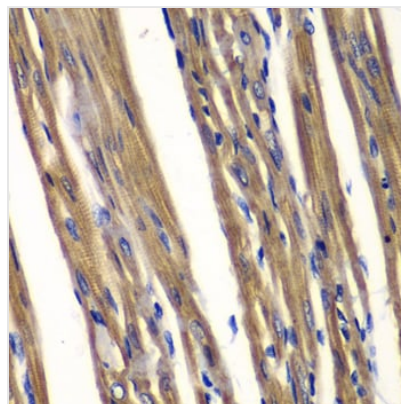
Host	Rabbit
Reactivity	Human, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Concentration	1mg/ml (varies by lot)
Sequence Length	415
Applicable Applications for anti-PTPN2 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Species	Human
Immunogen	Recombinant Protein
Immunogen	Recombinant protein of human PTPN2
Calculated Molecular Weight	49kDa
Preparation and Storage	Store at -20 degree C (regular) or -80 degree C (long term). Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

IMAGES



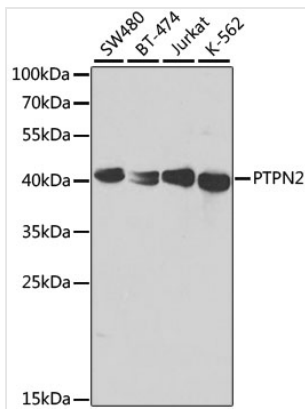
IF (Immunofluorescence)

Immunofluorescence analysis of MCF-7 cells using PTPN2 antibody. Blue: DAPI for nuclear staining.



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded rat heart using PTPN2 antibody at dilution of 1:100 (40x lens).



WB (Western Blot)
 Western blot analysis of extracts of various cell lines, using PTPN2 antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit.

ADDITIONAL INFORMATION

Related Product Information for anti-PTPN2 antibody	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. [provided by RefSeq, May 2011]
Product Categories/Family for anti-PTPN2 antibody	Polyclonal

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.

