

Rabbit PTPN2 Polyclonal Antibody | anti-PTPN2 antibody

PTPN2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA305659	Rabbit	Human, Mouse, Rat	Immunofluorescence, Immunohistochemistry, Western Blot

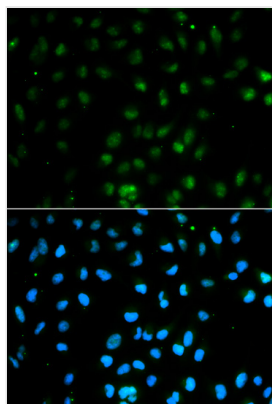
PRODUCT SYNONYMS

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

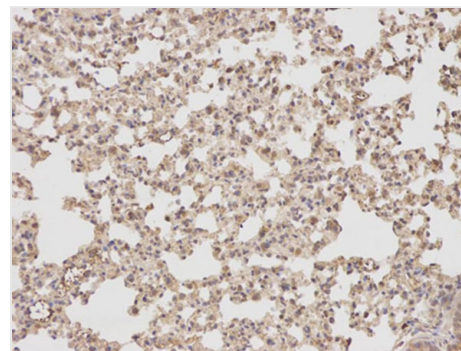
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Specificity	The antibody detects endogenous level of total PTPN2 protein.
Purity/Purification	Antibodies were purified by affinity purification using immunogen.
Form/Format	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1.0 mg/ml (varies by lot)
Sequence Length	410
Applicable Applications for anti-PTPN2 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant protein of human PTPN2.
Target Name	PTPN2
Preparation and Storage	Store at -20 degree C

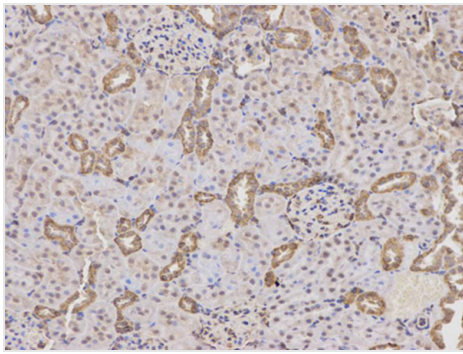
IMAGES


IF (Immunofluorescence)

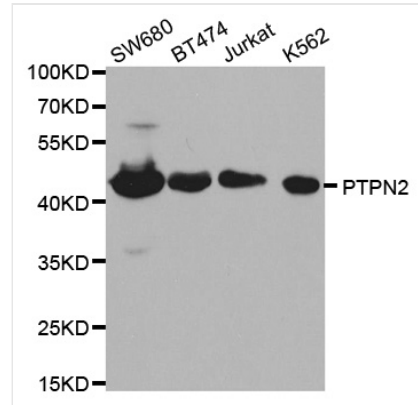
Immunofluorescence analysis of MCF7 cell using PTPN2 antibody. Blue: DAPI for nuclear staining.


IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded rat kidney using PTPN2 antibody at dilution of 1:100 (200x lens).



IHC (Immunohistochemistry)
Immunohistochemical analysis of paraffin-embedded mouse lung using PTPN2 antibody at dilution of 1:100 (200x lens).



WB (Western Blot)
Western blot analysis of extracts of various cell lines, using PTPN2 antibody.

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.
Product Categories/Family for anti-PTPN2 antibody	Total protein Ab

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.

