

Mouse PTPN1 Monoclonal Antibody | anti-PTPN1 antibody

PTPN1 antibody

CATALOG # AAA108287	HOST Mouse	APPLICATIONS Western Blot, Immunohistochemistry, Immunofluorescence, Flow Cytometry, Functional Assay
-------------------------------	----------------------	---

PRODUCT SYNONYMS

PTPN1; Monoclonal Antibody; PTPN1 antibody; Monoclonal PTPN1; Anti-PTPN1; Protein Tyrosine Phosphatase Non-Receptor Type 1; PTP1B; PTPN 1; PTPN-1; anti-PTPN1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG2a
Clone Number	1D10
Purity/Purification	PTPN1 antibody was purified by affinity chromatography.
Form/Format	Supplied in PBS buffer, pH 7.3, containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration	500 ug-1 mg/ml (varies by lot)
Sequence Length	272
Applicable Applications for anti-PTPN1 antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Biological Significance	PTPN1 is the founding member of the protein tyrosine phosphatase (PTP) family. PTPs catalyze the hydrolysis of the phosphate monoesters specifically on tyrosine residues. 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.
Cross-Reactivity	Human, Dog, Monkey
Immunogen	PTPN1 antibody was raised in mouse using a full length recombinant protein of human PTPN1 (NP_002818) produced in HEK293 cell as the immunogen.
Preparation and Storage	Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.

IMAGES



IF (Immunofluorescence)

Immunofluorescent staining of COS7 cells transiently transfected with recombinant PTPN1 protein using PTPN1 antibody



IHC (Immunohistochemistry)

Immunohistochemical analysis of PTPN1 protein in paraffin embedded Human lymph node tissue using PTPN1 antibody



WB (Western Blot)

Western Blot analysis of HEK293T cell lysates (5 ug) transfected with either recombinant PTPN1 protein (Right) or empty vector (Left) detected with PTPN1 antibody

ADDITIONAL INFORMATION

Related Product Information for anti-PTPN1 antibody	Mouse monoclonal PTPN1 antibody
Product Categories/Family for anti-PTPN1 antibody	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	13543101
NCBI GeneID	19246
Molecular Weight	49,593 Da
NCBI Official Full Name	Ptpn1 protein, partial
NCBI Official Synonym Full Names	protein tyrosine phosphatase, non-receptor type 1
NCBI Official Symbol	Ptpn1
NCBI Official Synonym Symbols	PTP1B; PTP-1B; PTP-HA2
NCBI Protein Information	tyrosine-protein phosphatase non-receptor type 1
UniProt Protein Name	Tyrosine-protein phosphatase non-receptor type 1
UniProt Gene Name	Ptpn1
UniProt Synonym Gene Names	PTP-1B; PTP-HA2
UniProt Entry Name	PTN1_MOUSE

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/monoclonal/ptpn1-antibody-clone-1d10-western-blot-immunohistochemistry-immunofluorescence-flow-cytometry-elisa/108287>