

Mouse PTPN7 Monoclonal Antibody | anti-PTPN7 antibody

PTPN7 antibody

CATALOG # AAA108053	HOST Mouse	APPLICATIONS Western Blot, Immunohistochemistry, Immunofluorescence
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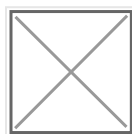
PRODUCT SYNONYMS

PTPN7; Monoclonal Antibody; PTPN7 antibody; Monoclonal PTPN7; Anti-PTPN7; Protein tyrosine phosphatase non-receptor type 7; HEPTP; LC-PTP; Hematopoietic protein-tyrosine phosphatase; BPTP4; FLJ18703; LPTP; PTPN 7; PTPN-7; anti-PTPN7 antibody

PRODUCT SPECIFICATIONS

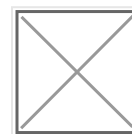
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	3G2
Purity/Purification	PTPN7 antibody was purified by affinity chromatography.
Form/Format	Supplied in PBS buffer, pH 7.3, containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration	500 ug-1 mg/ml (varies by lot)
Sequence Length	359
Applicable Applications for anti-PTPN7 antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence)
Biological Significance	PTPN7 is a member of the protein tyrosine phosphatase (PTP) family. PTPs are known to be signaling molecules that regulate a variety of cellular processes including cell growth, differentiation, mitoticcycle, and oncogenic transformation. This gene is preferentially expressed in a variety of hematopoietic cells, and is an early response gene in lymphokine stimulated cells. The non-catalytic N-terminus of this PTP can interact with MAP kinases and suppress the MAP kinase activities. This PTP was shown to be involved in the regulation of T cell antigenreceptor (TCR) signaling, which was thought to function through dephosphorylating the molecules related to MAP kinasepathway.
Cross-Reactivity	Human
Immunogen	PTPN7 antibody was raised in mouse using a full length recombinant protein of human PTPN7 (NP_542155) produced in HEK293T cells, 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



IHC (Immunohistochemisry)

Immunohistochemical analysis of PTPN7 protein in paraffin embedded Adenocarcinoma of Human ovary tissue using PTPN7 antibody



WB (Western Blot)

Western Blot analysis of HEK293T cell lysates (5 ug) transfected with either recombinant PTPN7 protein (Right) or empty vector (Left) detected with PTPN7 antibody



IF (Immunofluorescence)

Immunofluorescent staining of COS7 cells transiently transfected with recombinant PTPN7 protein using PTPN7 antibody

ADDITIONAL INFORMATION

Related Product Information for anti-PTPN7 antibody	Mouse monoclonal PTPN7 antibody
Product Categories/Family for anti-PTPN7 antibody	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	68534220
NCBI GeneID	320139
Molecular Weight	40,351 Da
NCBI Official Full Name	Ptpn7 protein
NCBI Official Synonym Full Names	protein tyrosine phosphatase, non-receptor type 7
NCBI Official Symbol	Ptpn7
NCBI Official Synonym Symbols	LPTP; HEPTP; BPTP-4; LC-PTP; C920001D21Rik
NCBI Protein Information	tyrosine-protein phosphatase non-receptor type 7
UniProt Protein Name	Tyrosine-protein phosphatase non-receptor type 7
UniProt Gene Name	Ptpn7
UniProt Synonym Gene Names	HEPTP
UniProt Entry Name	PTN7_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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/ptpn7-antibody-clone-3g2-western-blot-immunohistochemistry-immunofluorescence-elisa/108053>