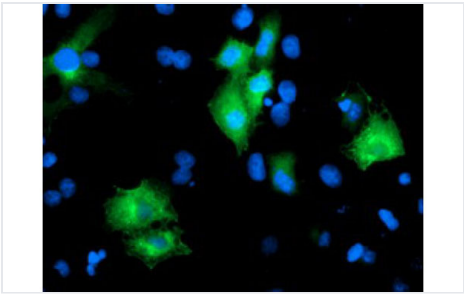
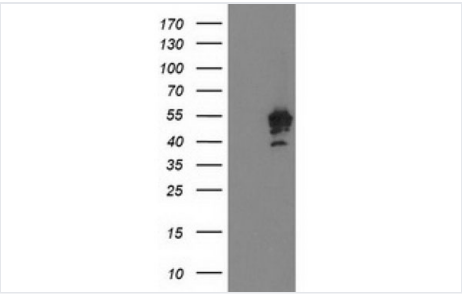
PTPN7 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	PTPN7, Monoclonal Antibody
Full Product Name	PTPN7 antibody
Product Gene Name	anti-PTPN7 antibody
Product Synonym Names	Monoclonal PTPN7; Anti-PTPN7; Protein tyrosine phosphatase non-receptor type 7; HEPTP; LC-PTP; Hematopoietic protein-tyrosine phosphatase; BPTP4; FLJ18703; LPTP; PTPN7; PTPN 7; PTPN-7
Clonality	Monoclonal
Isotype	IgG2b
Clone Number	3B10
Host	Mouse
Form/Format	Supplied in PBS buffer, pH 7.3, containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Purity/Purification	PTPN7 antibody was purified by affinity chromatography.
Concentration	500 ug-1 mg/ml (lot specific)
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.
Molecular Weight	40,351 Da
Cross-Reactivity	Human, Dog, Rat, Mouse
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.
Product Categories/Family for anti-PTPN7 antibody	Signal Transduction
Applications Tested/Suitable for anti-PTPN7 antibody	Immunofluorescence (IF), Western Blot (WB)
Application Notes for anti-PTPN7 antibody	IF: 1:100 WB: 1:500-2000
Related Product Information for anti-PTPN7 antibody	MBS837888 is an antibody targeting PTPN7. Also known as PTPN7 antibody. Host: Mouse. Mouse monoclonal PTPN7 antibody
Other Notes	Small volumes of anti-PTPN7 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Immunofluorescence (IF) of anti-PTPN7 antibody
Immunofluorescent staining of COS7 cells transiently transfected with recombinant PTPN7 protein using PTPN7 antibody



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

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PTPN7. It may not necessarily be applicable to this product.

NCBI GI #	68534220
NCBI GeneID	320139
NCBI Accession #	AAH98475.1
UniProt Related Accession #	Q8BUM3
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
UniProt Protein Name	Tyrosine-protein phosphatase non-receptor type 7
UniProt Synonym Protein Names	Hematopoietic protein-tyrosine phosphatase; HEPTP
Protein Family	Tyrosine-protein phosphatase non-receptor
UniProt Gene Name	Ptpn7
UniProt Synonym Gene Names	HEPTP
UniProt Entry Name	PTN7_MOUSE
NCBI Protein Information	tyrosine-protein phosphatase non-receptor type 7
UniProt Comments for PTPN7	HePTP: a non-receptor protein-tyrosine phosphatase. Preferentially expressed in a variety of hematopoietic cells, and is an early response gene in lymphokine stimulated cells. Its noncatalytic N-terminus can interact with MAP kinases and suppress the MAP kinase activities. Shown to be involved in the regulation of T cell antigen receptor (TCR) signaling, which was thought to function through dephosphorylating the molecules related to MAP kinase pathway. Three alternatively spliced transcript variants of this gene, which encode two distinct isoforms, are reported. May play a role in the regulation of lymphocyte development. Protein type: Motility/polarity/chemotaxis; EC 3.1.3.48; Protein phosphatase, tyrosine (non-receptor) Cellular Component: internal side of plasma membrane; cytoskeleton; cytoplasm; cytosol Molecular Function: hydrolase activity; phosphoric monoester hydrolase activity; protein tyrosine phosphatase activity; phosphoprotein phosphatase activity Biological Process: dephosphorylation; protein amino acid dephosphorylation
Research Articles on PTPN7	**1.** PTPN7 as a negative regulator of TNF-alpha expression and the inflammatory response in macrophages

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