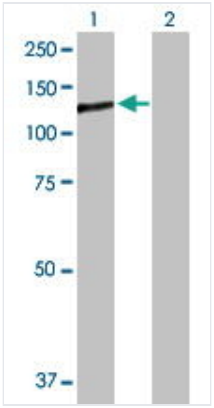
PTPRN Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	PTPRN, Polyclonal Antibody
Full Product Name	PTPRN (Receptor-type Tyrosine-protein Phosphatase-like N, R-PTP-N, Islet Cell Antigen 512, ICA 512, Islet Cell Autoantigen 3, PTP IA-2, ICA3, ICA5
Product Gene Name	anti-PTPRN antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Biotin.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human PTPRN.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and stor
Immunogen	Full length human PTPRN aa1-950 (AAH70053.1).
Immunogen Sequence	MRRPRRPGGLGGSGGLRLLLCLLLLSSRPGGCSAVSAHGCLFDRRLCSHLEVCIQDGLFGQCQVGVGQARPLLQVTSPVLQRLQGVLRQLMSQGLSWK
Conjugate	Biotin
Note	Preservative Free
Product Categories/Family for anti-PTPRN antibody	Antibodies; Enzymes; Phosphatase
Applications Tested/Suitable for anti-PTPRN antibody	Western Blot (WB)
Application Notes for anti-PTPRN antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-PTPRN antibody	The protein encoded by this gene is a member of the protein tyrosine phosphatase (PTP) family. PTPs are known to be signaling molecules that regula
Other Notes	Small volumes of anti-PTPRN antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If neces
Searchable Terms for PTPRN purchase	MBS6391442 is an antibody targeting PTPRN. Also known as PTPRN (Receptor-type Tyrosine-protein Phosphatase-like N, R-PTP-N, Islet Cell Antiger



Western Blot (WB) of anti-PTPRN antibody
Western Blot analysis of PTPRN expression in transfected 293T cell line by PTPRN polyclonal antibody. Lane 1: PTPRN transfected lysate (102.8kD). Lane 2: Non-transfected lysate.

ADDITIONAL DETAILS

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

NCBI GI #	47124458
NCBI GeneID	5798
NCBI Accession #	BC070053
NCBI Related Accession #	AAH70053.1
UniProt Related Accession #	Q16849
NCBI Official Full Name	Homo sapiens protein tyrosine phosphatase, receptor type, N, mRNA
NCBI Official Synonym Full Names	protein tyrosine phosphatase receptor type N
NCBI Official Symbol	PTPRN
NCBI Official Synonym Symbols	IA2; IA-2; ICA512; R-PTP-N; IA-2/PTP
Protein Family	Receptor-type tyrosine-protein phosphatase
NCBI Protein Information	receptor-type tyrosine-protein phosphatase-like N
NCBI Summary for PTPRN	The protein encoded by this gene 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, mitotic cycle, and oncogenic transformation. This PTP possesses an extracellular region, a single transmembrane region, and a single catalytic domain, and thus represents a receptor-type PTP. This PTP was found to be an autoantigen that is reactive with insulin-dependent diabetes mellitus (IDDM) patient sera, and thus may be a potential target of autoimmunity in diabetes mellitus. Alternate splicing results in multiple transcript variants.[provided by RefSeq, Dec 2010]
Research Articles on PTPRN	**1.** PTPN12, PTPRN and PTPN18 were independent prognostic factors in Hepatocellular Carcinoma.
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