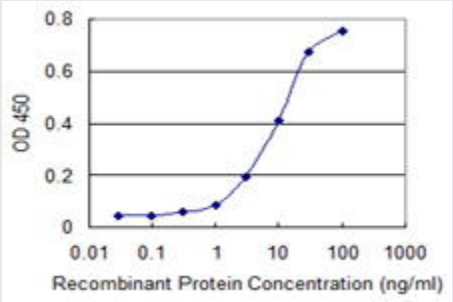
PTPRN2 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	PTPRN2, Monoclonal Antibody
Full Product Name	PTPRN2 (Protein Tyrosine Phosphatase, Receptor Type, N Polypeptide 2, IA-2beta, IAR, ICAAR, PTPRP) (HRP)
Product Gene Name	anti-PTPRN2 antibody
Product Synonym Names	Protein Tyrosine Phosphatase; Receptor Type; N Polypeptide 2; IA-2beta; IAR; ICAAR; PTPRP
Clonality	Monoclonal
Isotype	IgG1,k
Clone Number	8.0e+12
Host	Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with horseradish peroxidase (HRP).
Purity/Purification	Purified
Specificity	Recognizes PTPRN2.
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 20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can b made in assay buffer. Note: Sodium azide is a potent inhibitor of peroxidase and should not be added to HRP conjugates. For maximum recovery of pr centrifuge the original vial after thawing and prior to removing the cap.
OMIM	601698
3D Structure	ModBase 3D Structure for Q92932
Immunogen	PTPRN2 (NP_002838, 108aa-212aa) partial recombinant protein with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	ELADLPKTYLRRPEASSPARPSKHSVGSERRYSREGGAALANALRRHLPFLEALSQAPASDVLARTHTAQDRPPAEGDDRFSESILTYVAHTSALTYPPG
Conjugate	HRP
Product Categories/Family for anti-PTPRN2 antibody	Antibodies; Enzymes; Phosphatase
Applications Tested/Suitable for anti-PTPRN2 antibody	Western Blot (WB)
Application Notes for anti-PTPRN2 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-PTPRN2 antibody	MBS6181785 is an antibody targeting PTPRN2. Also known as PTPRN2 (Protein Tyrosine Phosphatase, Receptor Type, N Polypeptide 2, IA-2beta, IA ICAAR, PTPRP) (HRP). Host: Mouse.

Other Notes	Small volumes of anti-PTPRN2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If nece 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 add dry ice fee may apply.



Testing Data of anti-PTPRN2 antibody
Detection limit for recombinant GST tagged PTPRN2 is 0.3 ng/ml as a capture antibody.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PTPRN2. It may not necessarily be applicable to this product.

NCBI GI #	194097440
NCBI GeneID	5799
NCBI Accession #	NP_002838
UniProt Primary Accession #	Q92932
UniProt Related Accession #	Q92932
GenBank Nucleotide #	NP_002838.2
NCBI Official Full Name	receptor-type tyrosine-protein phosphatase N2 isoform 1
NCBI Official Synonym Full Names	protein tyrosine phosphatase receptor type N2
NCBI Official Symbol	PTPRN2
NCBI Official Synonym Symbols	IAR; ICAAR; PTPRP; IA-2beta; R-PTP-N2
UniProt Protein Name	Receptor-type tyrosine-protein phosphatase N2
UniProt Synonym Protein Names	Islet cell autoantigen-related protein; IAR; ICAAR; Phogrin
Protein Family	Receptor-type tyrosine-protein phosphatase
UniProt Gene Name	PTPRN2
UniProt Synonym Gene Names	KIAA0387; R-PTP-N2; IAR; ICAAR
UniProt Entry Name	PTPR2_HUMAN
NCBI Protein Information	receptor-type tyrosine-protein phosphatase N2
NCBI Summary for PTPRN2	This gene encodes a protein with sequence similarity to receptor-like protein tyrosine phosphatases. However, tyrosine phosphatase activity has not been experimentally validated for this protein. Studies of the rat ortholog suggest that the encoded protein may instead function as a phosphatidylinositol phosphatase with the ability to dephosphorylate phosphatidylinositol 3-phosphate and phosphatidylinositol 4,5-diphosphate, and this function may be involved in the regulation of insulin secretion. This protein has been identified as an autoantigen in insulin-dependent diabetes mellitus. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2015]
Research Articles on PTPRN2	**1.** Copy-number variations are enriched for PTPRN2 and other neurodevelopmental genes in children with developmental coordination disorder.

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