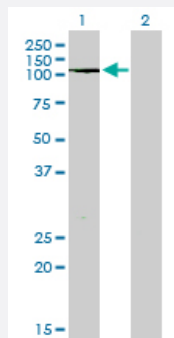


PTPRN2 monoclonal antibody (M08), clone 7F8

Catalog # H00005799-M08

Size 100 ug

Applications

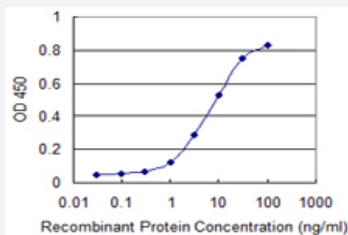


Western Blot (Transfected lysate)

Western Blot analysis of PTPRN2 expression in transfected 293T cell line by PTPRN2 monoclonal antibody (M08), clone 7F8.

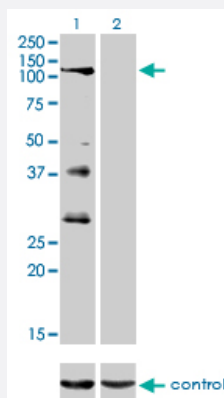
Lane 1: PTPRN2 transfected lysate (108.1 kDa).

Lane 2: Non-transfected lysate.



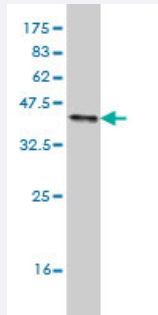
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged PTPRN2 is 0.3 ng/ml as a capture antibody.



RNAi Knockdown (Antibody validated)

Western blot analysis of PTPRN2 over-expressed 293 cell line, cotransfected with PTPRN2 Validated Chimera RNAi (Cat # H00005799-R01V) (Lane 2) or non-transfected control (Lane 1). Blot probed with PTPRN2 monoclonal antibody (M08), clone 7F8 (Cat # H00005799-M08). GAPDH (36.1 kDa) used as specificity and loading control.



Western Blot detection against Immunogen (37.29 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant PTPRN2.
Immunogen	PTPRN2 (NP_002838, 108 a.a. ~ 212 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	ELADLPKTYLRRPEASSPARPSKHSVGSERRYSREGGAALANALRRHLPFLEALSQAPASDVLA RHTAQDRPPAEGDDRFSESILTYAHTSALTYPGPRTQL
Host	Mouse
Reactivity	Human
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37.29 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

Western Blot analysis of PTPRN2 expression in transfected 293T cell line by PTPRN2 monoclonal antibody (M08), clone 7F8.

Lane 1: PTPRN2 transfected lysate(108.1 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged PTPRN2 is 0.3 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

- RNAi Knockdown (Antibody validated)

Western blot analysis of PTPRN2 over-expressed 293 cell line, cotransfected with PTPRN2 Validated Chimera RNAi (Cat # H00005799-R01V) (Lane 2) or non-transfected control (Lane 1). Blot probed with PTPRN2 monoclonal antibody (M08), clone 7F8 (Cat # H00005799-M08). GAPDH (36.1 kDa) used as specificity and loading control.

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Gene Info — PTPRN2

Entrez GeneID [5799](#)

GeneBank Accession# [NM_002847](#)

Protein Accession# [NP_002838](#)

Gene Name PTPRN2

Gene Alias IA-2beta, IAR, ICAAR, PTPRP

Gene Description protein tyrosine phosphatase, receptor type, N polypeptide 2

Omim ID [601698](#)

Gene Ontology [Hyperlink](#)

Gene Summary

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 intracellular catalytic domain, and thus represents a receptor-type PTP. The catalytic domain of this PTP is most closely related to PTPRN/IA-2beta. This PTP and PTPRN are both found to be major autoantigens associated with insulin-dependent diabetes mellitus. Three alternatively spliced transcript variants of this gene, which encode distinct proteins, have been reported. [provided by RefSeq]

Other Designations

IAR/receptor-like protein-tyrosine phosphatase|phogrin|protein tyrosine phosphatase receptor p|tyrosine phosphatase IA-2 beta

Pathway

- [Type I diabetes mellitus](#)

Disease

- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Cardiovascular Diseases](#)
- [Cerebral Hemorrhage](#)
- [Chromosome Deletion](#)
- [Chronic Disease](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Hypertension](#)
- [Intracranial Hemorrhages](#)
- [Kidney Diseases](#)
- [Kidney Failure](#)
- [Stroke](#)
- [Subarachnoid Hemorrhage](#)
- [Tobacco Use Disorder](#)