

PTPRN rabbit monoclonal antibody

Catalog # H00005798-K

Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human PTPRN peptide using ARM Technology.
Immunogen	A synthetic peptide of human PTPRN is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human PTPRN peptide by ELISA and mammalian transfected lysate by Western Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering including F(ab) ₂ , IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- ELISA

Gene Info — PTPRN

Entrez GeneID	5798
GeneBank Accession#	PTPRN
Gene Name	PTPRN
Gene Alias	FLJ16131, IA-2, IA-2/PTP, IA2, ICA512, R-PTP-N
Gene Description	protein tyrosine phosphatase, receptor type, N
Omim ID	601773
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 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. [provided by RefSeq]
Other Designations	islet cell antigen 2 islet cell antigen 512 islet cell autoantigen 3 protein tyrosine phosphatase-like N

Pathway

- [Type I diabetes mellitus](#)

Disease

- [Diabetes Mellitus](#)