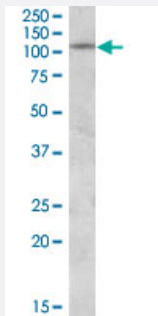


PTPRN polyclonal antibody

Catalog # PAB18679 Size 100 ug

Applications



Western Blot (Cell lysate)

PTPRN polyclonal antibody (Cat # PAB18679) (0.5 ug/mL) staining of NIH/3T3 lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Specification

Product Description	Goat polyclonal antibody raised against synthetic peptide of PTPRN.
Immunogen	A synthetic peptide corresponding to amino acids at internal region of human PTPRN.
Sequence	C-QGEGNIKKNRHPD
Host	Goat
Reactivity	Mouse
Form	Liquid
Purification	Antigen affinity purification
Concentration	0.5 mg/mL
Recommend Usage	ELISA (1:32000) Western Blot (1-3 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In Tris saline, pH 7.3 (0.02% sodium azide, 0.5% BSA)

Storage Instruction

Store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

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- Enzyme-linked Immunoabsorbent Assay

Gene Info — PTPRN

Entrez GeneID[5798](#)**Protein Accession#**[NP_002837.1](#)**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](#)