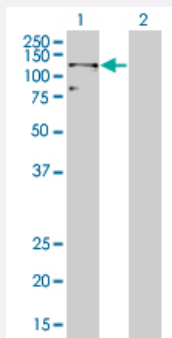


PTPRN2 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00005799-T01

Size 100 uL

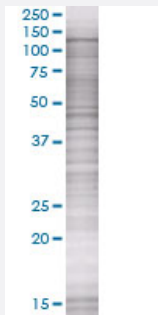
Applications



Western Blot

Lane 1: PTPRN2 transfected lysate (108.1 kDa)

Lane 2: Non-transfected lysate.



SDS-PAGE Gel

PTPRN2 transfected lysate.

Specification

Transfected Cell Line 293T

Plasmid pCMV-PTPRN2 full-length

Host Human

Theoretical MW (kDa) 108.57

Quality Control Testing Transient overexpression cell lysate was tested with Anti-PTPRN2 antibody ([H00005799-B01](#)) by Western Blots.
Western Blot
Lane 1: PTPRN2 transfected lysate (108.1 kDa)
Lane 2: Non-transfected lysate.
SDS-PAGE Gel
PTPRN2 transfected lysate.

Storage Buffer

1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

Gene Info — PTPRN2

Entrez GeneID[5799](#)**GeneBank Accession#**[NM_130843](#)**Protein Accession#**[NP_570858](#)**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 p1|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](#)