

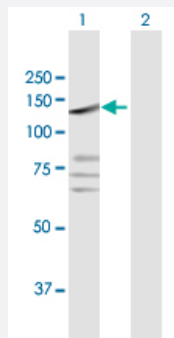
MaxPab®

PTPRN2 MaxPab rabbit polyclonal antibody (D01)

Catalog # H00005799-D01

Size 100 uL

Applications

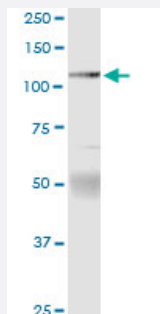


Western Blot (Transfected lysate)

Western Blot analysis of PTPRN2 expression in transfected 293T cell line ([H00005799-T04](#)) by PTPRN2 MaxPab polyclonal antibody.

Lane 1: PTPRN2 transfected lysate(108.1 KDa).

Lane 2: Non-transfected lysate.



Immunoprecipitation

Immunoprecipitation of PTPRN2 transfected lysate using anti-PTPRN2 MaxPab rabbit polyclonal antibody and Protein A Magnetic Bead, and immunoblotted with PTPRN2 purified MaxPab mouse polyclonal antibody (B01P) ([H00005799-B01P](#)).

Specification

Product Description

Rabbit polyclonal antibody raised against a full-length human PTPRN2 protein.

Immunogen

PTPRN2 (NP_570858.1, 1 a.a. ~ 986 a.a) full-length human protein.

Sequence

MGPPLPLLLLLLLLLPPRVLPAPSSVPRGRQLPGRLGCLLEEGLCGASEACVNDGVFGRQCQKV
 PAMDFYRYEVSPVALQRLRVALQKLSGTGFTWQDDYTQYVMDQELADLPKTYLRRPEASSPARP
 SKHSVGSERRYSREGGAALANALRRHLPFLEALSQAPASDVLARTHTAQDRPPAEGDDRFSESI
 LTYVAHTSALTYPGPRTQLREDLLPRTLGLQLQPDELSPKVDSGVDRHHLMAALSAYAAQRPPAP
 PGEGLSEPQYLLRAPSRMPRLLAPAAPQKWPSPLGDSSEDPSTGDGARIHTLLKDLQRQPAEV
 RGLSGLELDGMAELMAGLMQGVDPHGVARGSPGRAALGESGEQADGPKATLRGDSFPDDGVQ
 DDDRLYQEVHRLSATLGGLLQDHGSRLLPGALPFARPLDMERKKSEHPLESSSSEETAGVEN
 VKSQTYSKDLLGQPHSEPGAAAFGELQNQMGPSPKEEQSLPAGAEALSDGLQLEVQPSEE
 EARGYVTDREVLGPAVTFKVSANVQNVTTEDVEKATVDNNDKLEETSGLKILQTGVGSKSKLKFL
 PPQAEQEDSTKFIALTLVSLACILGVLLASGLYCLRHSSQHRLEKLSGLGGDPGADATAAYQEL
 CRQRMATRPPDRPEGPHTSRISSVSSQFSDGPIPSARSSASSWSEEPVQSNMDISTGHMILSY
 MEDHLKNKNRLEKEWEALCAYQAEPNSSFVAQREENVPKNRSLAVLTYDHSRVLLKAENSHSH
 SDYINASPIMDHDPRNPAYIATQGGLPATVADFQWQMVWESGCVVIVMLTPLAENGVRQCYHWY
 DEGSNLYHIYEVNLVSEHWCEDFLVRSFYLNKLTNETRTVTQFHFLSWYDRGVPSSSRSLDFR
 RKNVNCYRGRSCPIVHCSDGAGRSGTYVLIDMVLNKMAGKAKEIDIAATLEHLRDQRPGMVQKE
 QFEFALTAVAEVNAIKALPQ

Host

Rabbit

Reactivity

Human

Quality Control Testing

Antibody reactive against mammalian transfected lysate.

Storage Buffer

No additive

Storage Instruction

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

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[Protocol Download](#)

- Immunoprecipitation

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[Protocol Download](#)

Gene Info — PTPRN2

Entrez GeneID	5799
GeneBank Accession#	NM_130843.1
Protein Accession#	NP_570858.1
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](#)
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