

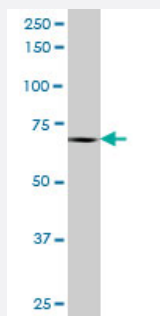
MaxPab®

PTPRN2 purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00005799-B01P

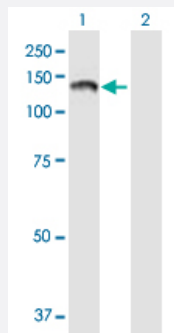
Size 50 ug

Applications



Western Blot (Tissue lysate)

PTPRN2 MaxPab polyclonal antibody. Western Blot analysis of PTPRN2 expression in human kidney.

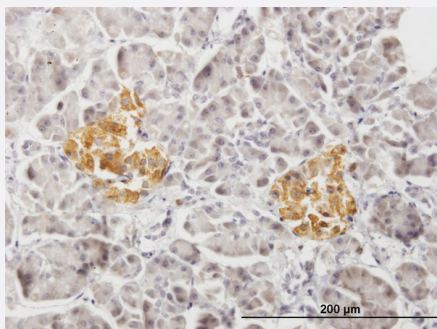


Western Blot (Transfected lysate)

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

Lane 1: PTPRN2 transfected lysate(108.46 KDa).

Lane 2: Non-transfected lysate.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of purified MaxPab antibody to PTPRN2 on formalin-fixed paraffin-embedded human pancreas. [antibody concentration 3 ug/ml]

Specification

Product Description

Mouse 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	MGPPLPLLLLLLLLLPPRVLPAPSSVPRGRQLPGRLGCLLEEGLCGASEACVNDGVFGRCQKV PAMDFYRYEVSPVALQRLRVALQKLSGTGFTWQDDYTQYVMDQELADLPKTYLRRPEASSPARP SKHSVGSERRYSREGGAALANALRRHLPFLEALSQAPASDVLARTHTAQDRPPAEGDDRFSESI LTYVAHTSALTYPGPRTQLREDLLPRTLGLQLQDELSPKVDSGVDRHHLMAALSAYAAQRPPAP PGEGLSEPQYLLRAPSRMPRPLLAPAPQKWPSPLGDSSEDPSTGDGARIHTLLKDLQRQPAEV RGLSGLELDGMAELMAGLMQGVDPHGVARGSPGRAALGESGEQADGPKATLRGDSFPDDGVQ DDDDRLYQEVHRLSATLGGLLQDHGSRLPLGALPFARPLDMERKKSEHPESLSSEEEETAGVEN VKSQTYSKDLLGQQPHSEPGAAAFGELQNQMGPSPSKEEQSLPAGAQEALSDGLQLEVQPSEE EARGYVTDREVLGPAVTFKVSANVQNVTTEDVEKATVDNNDKLEETSGLKILQTGVGSKSKLKFL PPQAEQEDSTKFIALTLVSLACILGVLLASGLYCLRHSSQHRLEKLSGLGGDPGADATAAYQEL CRQRMATRPPDRPEGPHTSRISSVSSQFSDGPIPSPSARSSASSWSEEPVQSNMDISTGHMILSY MEDHLKNKNRLEKEWEALCAYQAEPNSSFVAQREENVPKNRSLAVLTYDHSRVLLKAENSHSH SDYINASPIMDHDPRNPAYIATQGPLPATVADFWMVWESGCVVMMLTPLAENGVRQCYHYWP DEGSNLYHIYEVNLVSEHWCEDFLVRSFYLNKLNQTNETRTVTQFHFLSWYDRGVPSSSRSLDFR RKVNKC YRGRSCPIVHCSDGAGRSGTYVLIDMVLNKMMAKGAKEIDIAATLEHLRDQRPGMVQTKE QFEFALTAVAEVNAIKALPQ
Host	Mouse
Reactivity	Human
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
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 (Tissue lysate)

PTPRN2 MaxPab polyclonal antibody. Western Blot analysis of PTPRN2 expression in human kidney.

[Protocol Download](#)

- Western Blot (Transfected lysate)

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[Protocol Download](#)

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[Protocol Download](#)

Gene Info — PTPRN2

Entrez GeneID [5799](#)

GeneBank Accession# [NM_130843](#)

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](#)
- [Tobacco Use Disorder](#)