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Diagnostik & molekulare Diagnostik



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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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PTPRN2 purified MaxPab mouse polyclonal antibody (B01P) MaxPab®

Catalog # : H00005799-B01P

規格 : [50 ug]

[List All](#)

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:
 MGPPLPLLLLLLLLLPPRVLPAPSSVPRGRQLPGRLGCLLEEGLCGAS
 EACVNDGVFGRCQKVPAMDFYRYEVSVALQRLRVALQKLSGTGFTW
 QDDYTQYVMDQELADLPKTYLRRPEASSPARPSKHSVGSERRYSREGG
 AALANALRRHLPFLLEALSQAPASDVLARTHTAQDRPPAEGDDRFSESILT
 YVAHTSALTYPPGPRTQLREDLLPRTLGGQLQPELSPKVDSGVDRHHL
 MAALSAYAAQRPPAPPGEGLPEQYLLRAPSMPRPLAPAAPQKWPS
 PLGDSSEDPSTGDGARIHTLLKDLQRQPAEVRGLSGLELDGMAELMAG
 LMQGVDHGVARGSPGRAALGESGEQADGPKATLRGDSFPDDGVQDD
 DDRLYQEVHRLSATLGGLLQDHGSRLPGALPFARPLDMERKKSEHPE
 SSLSSEEETAGVENMKSQTYSKDLLGQQPHSEPGAAAFGELQNMMPGP
 SKEEQSLPAGAQEALSDGLQLEVQPSEEEARGYIVTDREVLGPAVTFKV
 SANVQNVTTEDVEKATVDNKKLEETSGLKILQTGVGSKSKLKFLLPPQAE
 QEDSTKFIALTLVSLACILGVLLASGLIYCLRHSSQHLRKEKLSGLGGDPG
 ADATAAYQELCRQRMATRPPDRPEGPHTSRISSVSSQFSDGPIPSARS
 SSASSWSEEPVQSNMDISTGHMILSYMEDHLKNKNRLEKEWEALCAYQA
 EPNSSFVAQREEN/PKNRSLAVLTYDHSRVLLKAENSHSHSDYINASPIMD
 HDPRNPAYIATQGPLPATVADFVQMVWESGCVVVMLTPLAENGVRQC
 YHYWPDEGSNLYHIYEVNLVSEHIWCEDFLVRSFYLNKLTNETRTVTQF
 HFLSWYDRGVPSSSRLLDFRRKVNKCYRGRSCPIVHCSDGAGRSGTY
 VLIDMVLNMAKGAKEIDIAATLEHLRDQRPGMVQTKEQFEFALTAVAAE
 VNAILKALPQ

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.

MSDS: [Download](#)

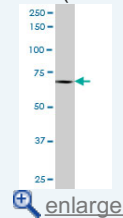
Datasheet: [Download](#)

Applications

Western Blot (Tissue lysate)

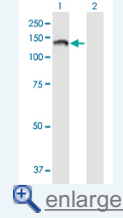
Application Image

Western Blot (Tissue lysate)



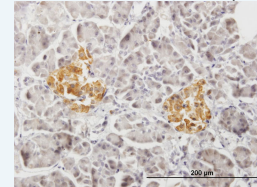
[enlarge](#)

Western Blot (Transfected lysate)

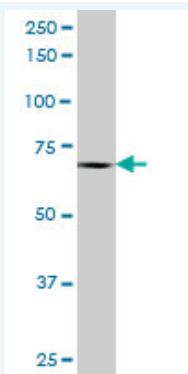


[enlarge](#)

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



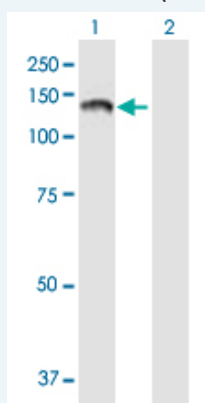
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PTPRN2 MaxPab polyclonal antibody. Western Blot analysis of PTPRN2 expression in human kidney.

 [Protocol Download](#)


Western Blot (Transfected lysate)



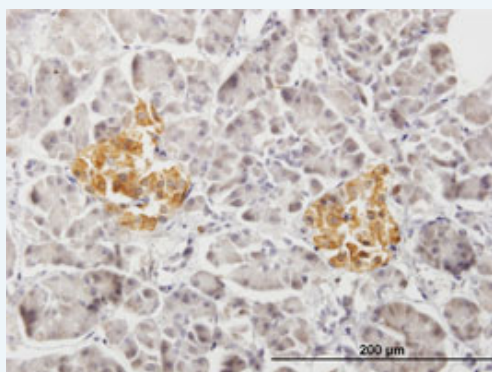
Western Blot analysis of PTPRN2 expression in transfected 293T cell line ([H00005799-T04](#)) by PTPRN2 MaxPab polyclonal antibody.

Lane 1: PTPRN2 transfected lysate(108.46 KDa).

Lane 2: Non-transfected lysate.

 [Protocol Download](#)

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



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

 [Protocol Download](#)

Gene Information

Entrez GeneID: [5799](#)

GeneBank [NM_130843](#)

Accession#:

Protein [NP_570858.1](#)

Accession#:

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 pi, tyrosine phosphatase IA-2 beta

Gene Pathway

[Type I diabetes mellitus](#)

Related Disease

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[Kidney Diseases](#) [Kidney Failure, Chronic](#) [Stroke](#) [Subarachnoid Hemorrhage](#)
[Tobacco Use Disorder](#)