

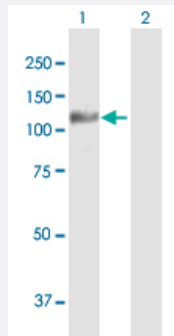
MaxPab®

PTPRN purified MaxPab mouse polyclonal antibody (B02P)

Catalog # H00005798-B02P

Size 50 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of PTPRN expression in transfected 293T cell line ([H00005798-T02](#)) by PTPRN MaxPab polyclonal antibody.

Lane 1: PTPRN transfected lysate(104.5 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

Mouse polyclonal antibody raised against a full-length human PTPRN protein.

Immunogen

PTPRN (AAH70053.1, 1 a.a. ~ 950 a.a) full-length human protein.

Sequence

MRRPRRPGLGGSGGLRLLLCLLLLSSRPGGCSAVSAHGCLFDRRLCSHLEVCIQDGLFGQCQV
GVGQARPLLQVTSPVLQRLQGVLRLQMSQGLSWHDDLTYVISQEMERIPRLRPPEPRDRSG
LAPKRPGPAGELLQDIPTGSAPAAQHRLPQPPVGKGGAGASSSLSPQAELLPPLEHLLPPQ
PPHPSLSYEPALLQPYLFHQFGSRDGSRVSEGSPGMVSVGPLPKAEAPALFSRTASKGIFGDHP
GHSYGDLPGPSAQLFQDSGLLYLAQELPAPSRARVPRLPEQGSSSSRAEDSPEGYEKEGLGDR
GEKPASPAVQPDAAALQRLAAVLAGYGVELRQLTPEQLSTLLTLLQLLPKGAGRNPGGVVNVGADI
KKTMEGPVEGRDTAELPARTSPMPGHPTASPTSSEVQQVSPVSSEPPKAARPPVTPVLEKK
SPLGQSQPTVAGQPSARPAEEYGYVTDQNVVGPALTFIRHNEQNLSLADVTQQAGLVKSELE
AQTGLQILQTGVGQREEAAVLPQTAHSTSPMRSVLLTLVALAGVAGLLVALAVALCVRQHARQQ
DKERLAALGPEGAGHDTTFEYQDLCRQHMAKSLFNRAEGPPEPSRVSSVSSQFSDAAQASPS
SHSSTPSWCEEPAQANMDISTGHMILAYMEDHLRNRDLAKEWQALCAYQAEPNTCATAQGEG
NIKKNRHPDFLPYDHARIKLKVESSPSRSDYINASPIIEHDPMPAYIATQGPLSHTIADFWQMVWE
SGCTVIVMLTPLVEDGVKQCDRYWPDEGASLYHVYEVNLVSEHIWCEDFLVRSFYLKNVQTQETR
TLTQFHFLSWPAEGTPASTRPLLDFFRKVNKCYRGRSCPIVHCSDGAGRTGTYLIDMVLNRMAL
GVKEIDIAATLEHVRDQRPGLVRSKDQFEFALTAVAEVNAIKALPQ

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.

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[Protocol Download](#)

Gene Info — PTPRN

Entrez GeneID	5798
GeneBank Accession#	BC070053
Protein Accession#	AAH70053.1
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

Publication Reference

- [Type 2 Diabetes Biomarkers and Uses Thereof.](#)

Eustache Paramithiotis, Marc Prentki, R  mi Rabasa-Ihoret, Pascal Croteau, Joel Lanoix, Murthy S. R. Madiraju,   rik Joly
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Application: IF, WB, Human, Mouse, Rat, Islets, INS832/13, MIN6 cells

Pathway

- [Type I diabetes mellitus](#)

Disease

- [Diabetes Mellitus](#)