

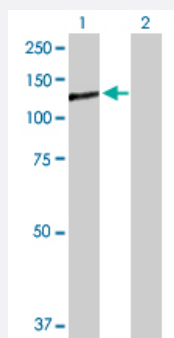
MaxPab®

# PTPRN purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00005798-D01P

Size 100 ug

## Applications



### Western Blot (Transfected lysate)

Western Blot analysis of PTPRN expression in transfected 293T cell line ([H00005798-T03](#)) by PTPRN MaxPab polyclonal antibody.

Lane 1: PTPRN transfected lysate (102.80 kDa).

Lane 2: Non-transfected lysate.

## Specification

### Product Description

Rabbit 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  
GVGQARPLLQVTSPVLQRLQGVLRLQMSQGLSWHDDLQYVISQEMERIPRLRPPEPRPRDRSG  
LAPKRPGPAGELLQDIPTGSAPAAQHRLPQPPVGKGGAGASSSLSPQAELLPPLEHLLPPQ  
PPHPSLSYEPALLQPYLFHQFGSRDGSRVSESGPMVSVGPLPKAEAPALFSRTASKGIFGDHP  
GHSYGDLPGPSPAQLFQDSGLLYLAQELPAPSRARVPRLPEQGSSSRAEDSPEGYEKEGLGDR  
GEKPASPAVQPDAAALQRLAAVLAGYGVELRQLTPEQLSTLLTLLQLLPKGAGRNPGGVVNVGADI  
KKTMEGPVEGRDTAELPARTSPMPGHPTASPTSSEVQQVSPVSSEPPKAARPPVTPVLLEKK  
SPLGQSQPTVAGQPSARPAEEYGYVTDQNVVGPALTFIRHNEQNLSLADVTQQAGLVKSELE  
AQTGLQILQTGVGQREEAAVLPQTAHSTSPMRSVLLTLVALAGVAGLLVALAVALCVRQHARQQ  
DKERLAALGPEGAGHDTTFEYQDLCRQHMAKSLFNRAEGPPEPSRVSSVSSQFSDAAQASPS  
SHSSTPSWCEEPAQANMDISTGHMILAYMEDHLNRNDRDLAKEWQALCAYQAEPNTCATAQGEG  
NIKKNRHPDFLPYDHARIKLKVESSPSRSDYINASPIIEHDPMPAYIATQGPLSHTIADFWQMVWE  
SGCTVIVMLTPLVEDGVKQCDRYWPDEGASLYHVYEVNLVSEHIWCEDFLVRSFYLKNVQTQETR  
TLTQFHFLSWPAEGTPASTRPLLDFFRKVNKCYRGRSCPIVHCSDGAGRTGTYLIDMVLNRMAL  
GVKEIDIAATLEHVRDQRPGLVRSKDQFEFALTAVAEVNAIKALPQ

### Host

Rabbit

|                         |                                                                          |
|-------------------------|--------------------------------------------------------------------------|
| 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       | <a href="#">5798</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| GeneBank Accession# | <a href="#">BC070053</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Protein Accession#  | <a href="#">AAH70053.1</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 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             | <a href="#">601773</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Gene Ontology       | <a href="#">Hyperlink</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

## Pathway

- [Type I diabetes mellitus](#)

## Disease

- [Diabetes Mellitus](#)