

DNAxPAb

Hard-to-Find
Antibody

PTPRN2 DNAxPab

Catalog # H00005799-W01P

Size 200 ug

Specification

Product Description Rabbit polyclonal antibody raised against a full-length human PTPRN2 DNA using DNAx™ Immune technology.

Technology [DNAx™ Immune](#)

Immunogen Full-length human DNA

Sequence

MGPPPLLLLLLLLLPPRVLPAPSSVPRGRQLPGR LGCLLEEGLCGASEACVNDGVFGRCQKV
PAMDFYRYEVSPVALQRLRVALQKLSGTGFTWQDDYTQYVMDQELADLPKTYLRRPEASSPARP
SKHSVGSERRYSREGGAALANALRRHLPFLEALSQAPASDVLARTHTAQDRPPAEGDDRFSESI
LTYVAHTSALTYPGPRTQLREDLLPRTLGGQLQPDELSPKVD SGVDRHHLMAALSAYAAQRPPAP
PGEGLSLEPQYLLRAPSRMPRPLLAPAAPQKWPSPLGDS SEDPSSTGDGARIHTLLKDLQRQPAEV
RGLSGLELDGMAELMAGLMQGV DHGVARGSPGRAALGESGEQADGPKATLRGDSFPDDGVQ
DDDDRLYQEVHRLSATLGGLLDHGSRLLP GALPFARPLDMERKKSEHPESLSSEEETAGVEN
VKSQTYSKDLLGQQPHSEPGAAAFGELQNQMGPSPSKEEQSLPAGAEALSDGLQLEVQPSEE
EARGYVTDREVLGPAVTFKVSANVQNVTTEDVEKATVDNNDKLEETSGLKILQTGVGSKSKLKFL
PPQAEQEDSTKFIALTLVSLACILGVLLASGLYCLRHSSQHR LKEKLSGLGGDPGADATAAAYQEL
CRQRMATRPPDRPEGPHTSRISSVSSQFSDGPIPSPSARSSASSWSEEPVQSNMDISTGHMILSY
MEDHLKKNRLEKEWEALCAYQAEPNSSFVAQREENVPKNRSLAVLTYDHSRVLLKAENSHSH
SDYINASPIMDHDPRNPAYIATQG PLPATVADFWQMVWESGCVVIMLTPLAENGVRQCYHYWP
DEGSNL YHIYEVNLVSEHWCEDFLVRSFY LKNLQTNETRTVTQFHFLSWYDRGVPSSSRSLDFR
RKVNKC YRGRSCPIVHCSDGAGRSGTYVLIDMVLNKM AKGAKEIDIAATLEHLRDQRPGMVQTKE
QFEFALTAVAEV NAILKALPQ

Host Rabbit

Reactivity Human

Purification Protein A

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 (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)

- Flow Cytometry (Transfected cell)

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