

MaxPab®

PTPRM purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00005797-B01P

Size 500 ug

Specification

Product Description	Mouse polyclonal antibody raised against a full-length human PTPRM protein.
Immunogen	PTPRM (AAH51651.1, 1 a.a. ~ 1390 a.a) full-length human protein.
Sequence	MPSGSFMLVNASGRPEGQRAHLLLPQLKENDTHCIDFHVFSSKSNPPGLLNIVYVKVNNGLG NPIWNISGDPARTWNRAELAISTFWPNFYQVIFEVITSGHQGYLAIDEVKVLGHPCTRTPHFLRIQNV EVNAGQFATFQCSAIGRTVAGDRLWLQGIDVRDAPLKEIKVTSSRRFIASFNVVNTTKRDAGKYRC MIRTEGGVGISNYAELVVKPPVPIAPPQLASVGATYLWQLNANSINGDGPIVAREVEYCTASGSW NDRQPV DSTSYKIGHLDPDTEYEISVLLTRPGEGGTGSPGPALRTRTKCADPMRGPRKLEVVVEVK SRQITISWEPFGYNVTRCHSYNLTVHYCYQVGGQEQVREEVSWDTENSHPQHTITNLSPYTNVSVK LILMNPEGRKESQELIVQTDEDLPGAVPTESIQQSTFEKIFLQWREPTQTYGVITLYEITYKAVSSF DPEIDLSNQSGRVSKLGNETHFLFFGLYPGTTYSFTIRASTAKGFGPPATNQFTTKISAPSM PAYEL ETPLNQTDNTVTVMKPAHSRGAPVSVYQIVVEEERPRRTKKTTEILKCYVPVPIHFQNASLLNSQYY FAAEFPADSLQAAQPFTIGDNKTYNGYWNTPLLPYKSYRIYFQAASRANGETKIDCVQVATKGAAT PKPVPEPEKQTDHTVKIAGVIAGILLFVIFLGVVLVMKKRKLAKKRKETMSSSTRQEMTMVNSMDK SYAEQGTNCDEAFSFM DTHNLNGRSVSSPSSFTMKTNTLSTSV PNSYYPDETHTMASDTSSLVQ SHTYKKREPADV PYQTGQLHPAIRVADLLQHITQMKCAEGYGFKEEYESFFEGQSAPWDSAKKG ENRMKNRYGNIIAYDHSRVRLQTIEGDTNSDYINGNYIDGYHRPNHYIATQGPMQETIYDFWRMVWH ENTASIIMVTNLVEVGRVKCKYWPDDTEYKD IKVTLIETELLA EYVIRTFAVEKRGVHEIREIRQFHF TGWPDRGV PYHATGLLGFVRQVKS SPPSAGPLVVHCSAGAGRTGCFVIDIMLDM AEREGVVDI YNCVRELRSRRVNMVQTEEQYVFIHDAILEACL CGDTSVPASQVRSLYYDMNKLD PQTNSSQIKE EFRTLNMVPTLRVEDCSIALLP RNHEKNRCMDILPPDRCLPFLITIDGESSNYNAALMDSYKQPS AFIVTQHPLPNTVKDFWRLVLDYHCTSVVMLNDVDP AQLCPQYWPENG VHRHGPIQVEFVSADL EEDIISRIFRIYNAARPQDGYRMVQQFQFLGWPMYRDT PVS KRSFLKLIRQVDKWQEEYNGGEGRT VVHCLNGGGRSGTFCAISMCEMLRHQRTVDVFHAVKTLRNNKPNMVDLLDQYKFCYEVALEYLN SG
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (97); Rat (95)
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](#)

Gene Info — PTPRM

Entrez GeneID [5797](#)**GeneBank Accession#** [BC051651.1](#)**Protein Accession#** [AAH51651.1](#)**Gene Name** PTPRM**Gene Alias** MGC166994, PTPRL1, R-PTP-MU, RPTPM, RPTPU, hR-PTP_u**Gene Description** protein tyrosine phosphatase, receptor type, M**Omim ID** [176888](#)**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 two tandem catalytic domains, and thus represents a receptor-type PTP. The extracellular region contains a meprin-A5 antigen-PTP mu (MAM) domain, an Ig-like domain and four fibronectin type III-like repeats. This PTP has been shown to mediate cell-cell aggregation through the interaction with another molecule of this PTP on an adjacent cell. This PTP can interact with scaffolding protein RACK1/GNB2L1, which may be necessary for the downstream signaling in response to cell-cell adhesion. Alternative splicing results in multiple transcripts encoding distinct isoforms. [provided by RefSeq]

Other Designations protein tyrosine phosphatase mu|protein tyrosine phosphatase, receptor type, mu polypeptide

Pathway

- [Adherens junction](#)
- [Cell adhesion molecules \(CAMs\)](#)

Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Lupus Erythematosus](#)
- [Tobacco Use Disorder](#)