

MaxPab®

PTPN21 purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00011099-B01P

Size 500 ug

Specification

Product Description	Mouse polyclonal antibody raised against a full-length human PTPN21 protein.
Immunogen	PTPN21 (AAI67856.1, 1 a.a. ~ 1174 a.a) full-length human protein.
Sequence	MPLPFGLKLRTRRYTVSSKSCLVARIQLLNNEFVEFTLSVESTGQESLEAVAQRLELREVTYFSL WYYNKQNQRWVDLEKPLKKQLDKYALEPTVYFGVVFYVPSVSQQLQEQITRYQYLQLKKDILEG SIPCTLEQAIQLAGLAVQADFGDFDQYESQDFLQKFALFPVGWLQDEKVL EEATQKVALLHQKYR GLTAPDAEMLYMQEVRMDGYGEESYPAKDSQGS DISIGACLEGIFVKHKNGRHPVVRWHDIAN MSHNKSFFALELANKEETIQFQTEDMETAKYWRLCVARHKFYRLNQC NLQTQTVTVNPIRRRSSS RMSLPKPQPYVMPPPPQLHYNGHYTEPYASSQDNLFVPNQNGYYCHSQTSLDRAQIDLNGRIRNG SVYSAHSTNSLNNPQPYLQPSPMSSNPSITGSDVMRPDYLPSHRHSAVIPPSYRPTPDYETVMKQ LNRGLVHAERQSHSLRNLNIGSSYAYS RPAALVYSQPEIREHAQLPSPAAAHCPFSLSYSFHSPSP YPYPAERRPVVGAVSVPELTNAQLQAQDYSPNIMRTQVYRPPPPYPPR PANSTPDLSRHL YIS SSNPDLITRRVHHSVQTFQEDSLPVAHSLQEVSEPLTAARHAQLHKRNSIEVAGLSHGLEGLRLK ERTLSASAAEVAPRAVSVGSQPSVFTERTQREGPEEAEG LRYGHKKSLSDATMLHSSEEEDE DFEEESGARAPPARAREPRGLAQDPPGCPRVLLAGPLHILEPKAHVPDAEKRMMDS SPVRTT AEAQRPWDGLLMPMSMESDLTTSGRYRARRDSLKKRPVSDLLSGKKNIVEGLPPLGGMKKTR VDAKKIGPLKLAALNGLSLSRVPLPDEGKEVATRATNDERCKILEQRLEQGMVFTEYERILKKRLV DGECSSTARLPENAERNRFQDVL PYDDVRVELVPTKENNTGYINASHIKVSVSGIEWDYATQG PLQ NTCQDFWQMVWEQGIAIAMVTAE EGGREKSFYWPRLGSRHNTV TYGRFKITTRFRD SGCYA TTGLKMKHLLTGQERTVWHLQYTDWPEHGC PEDLKGFLSYLEEIQSVRRHTNSTSDPQSPNP LL VHCSAGVGRTGVVILSEIMACLEHNEVLDIPRVLDMLRQQRMMLVQTL CQYTFVYRVLIQFLKSSR LI
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (88); Rat (88)
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 — PTPN21

Entrez GeneID [11099](#)

GeneBank Accession# [BC167856.1](#)

Protein Accession# [AA167856.1](#)

Gene Name PTPN21

Gene Alias PTPD1, PTPRL10

Gene Description protein tyrosine phosphatase, non-receptor type 21

Omim ID [603271](#)

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 contains an N-terminal domain, similar to cytoskeletal-associated proteins including band 4.1, ezrin, merlin, and radixin. This PTP was shown to specially interact with BMX/ETK, a member of Tec tyrosine kinase family characterized by a multimodular structures including PH, SH3, and SH2 domains. The interaction of this PTP with BMX kinase was found to increase the activation of STAT3, but not STAT2 kinase. Studies of the similar gene in mice suggested the possible roles of this PTP in liver regeneration and spermatogenesis. [provided by RefSeq]

Other Designations dJ1175B15.2 (protein tyrosine phosphatase, non-receptor type 21)|protein tyrosine phosphatase D1

Disease

- [Cell Transformation](#)
- [Colorectal Neoplasms](#)
- [Genetic Predisposition to Disease](#)

- [Graves Disease](#)
- [Kidney Failure](#)
- [Microsatellite Instability](#)