

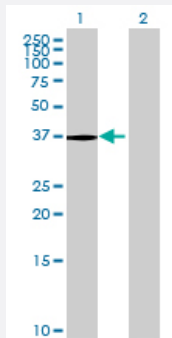
MaxPab®

PTPN7 MaxPab mouse polyclonal antibody (B02)

Catalog # H00005778-B02

Size 50 uL

Applications



Western Blot (Transfected lysate)

Western Blot analysis of PTPN7 expression in transfected 293T cell line ([H00005778-T02](#)) by PTPN7 MaxPab polyclonal antibody.

Lane 1: PTPN7 transfected lysate(39.6 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description	Mouse polyclonal antibody raised against a full-length human PTPN7 protein.
Immunogen	PTPN7 (NP_002823.2, 1 a.a. ~ 360 a.a) full-length human protein.
Sequence	MVQAHGGRSRAQPLTSLGAAMTQPPPEKTPAKKHVRLQERRGSNVALMLDVRS LGAVEPICS VNTPREVTLHFLRTAGHPLTRWALQRQPPSPKQLEEEFLKIPSNFVSPEDLDIPGHASKDRYKIL PNPQSRVCLGRAQSQEDGDYINANYIRGYDGKEKVYIATQGMPNTVSDFWEMVWQEEVSLIM LTQLREGKEKCVHYWPTEETYGPFQIRIQDMKECPEYTVRQLTIQYQEERRSVKHILFSAWPDHQ TPESAGPLLRLVAEVEESPETAHPGPIVVHCSAGIGRTGCFIATRIGCQQLKARGEVDILGIVCQL RLDRGGMIQTAEQYQFLHHTLALYAGQLPEEPS
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (92); Rat (91)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	No additive

Storage Instruction

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Note

For IHC and IF applications, antibody purification with Protein A will be needed prior to use.

Applications

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[Protocol Download](#)

Gene Info — PTPN7

Entrez GeneID [5778](#)

GeneBank Accession# [NM_002832.2](#)

Protein Accession# [NP_002823.2](#)

Gene Name PTPN7

Gene Alias BPTP-4, HEPTP, LC-PTP, LPTP, PTPNI

Gene Description protein tyrosine phosphatase, non-receptor type 7

Omim ID [176889](#)

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 gene is preferentially expressed in a variety of hematopoietic cells, and is an early response gene in lymphokine stimulated cells. The noncatalytic N-terminus of this PTP can interact with MAP kinases and suppress the MAP kinase activities. This PTP was shown to be involved in the regulation of T cell antigen receptor (TCR) signaling, which was thought to function through dephosphorylating the molecules related to MAP kinase pathway. Two alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

Other Designations

OTTHUMP00000034115[dual specificity phosphatase 1|hematopoietic protein-tyrosine phosphatase|protein-tyrosine phosphatase, nonreceptor-type, stress induced]

Pathway

- [MAPK signaling pathway](#)