

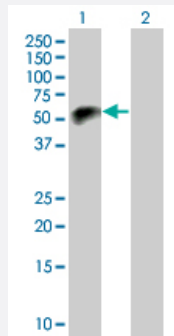
MaxPab®

# PTPN7 purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00005778-B01P

Size 50 ug

## Applications



### Western Blot (Transfected lysate)

Western Blot analysis of PTPN7 expression in transfected 293T cell line ([H00005778-T01](#)) by PTPN7 MaxPab polyclonal antibody.

Lane 1: PTPN7 transfected lysate(39.6 kDa).

Lane 2: Non-transfected lysate.

## Specification

<b>Product Description</b>	Mouse polyclonal antibody raised against a full-length human PTPN7 protein.
<b>Immunogen</b>	PTPN7 (AAH01746, 1 a.a. ~ 360 a.a) full-length human protein.
<b>Sequence</b>	MVQAHGGRSRAQPLTSLGAAMTQPPPEKTPAKKHVRLQERRGSNVALMLDVRSLGAVEPICS VNTPREVTLHFLRTAGHPLTRWALQRQPPSPKQLEEEFLKIPSNFVSPEDLDIPGHASKDRYKIL PNPQSRVCLGRAQSQEDGDYINANYIRGYDGKEKVYIATQGMPNTVSDFWEMVWQEEVSLIM LTQLREGKEKCVHYWPTEETYGPFQIRIQDMKECPEYTVRQLTIQYQEERRSVKHILFSAWPDHQ TPESAGPLLRLLVAEVEESPETAHPGPIVVHCSAGIGRTGCFIATRIGCQQLKARGEVDILGIVCQL RLDRGGMIQTAEQYQFLHHTLALYAGQLPEEPS
<b>Host</b>	Mouse
<b>Reactivity</b>	Human
<b>Quality Control Testing</b>	Antibody reactive against mammalian transfected lysate.
<b>Storage Buffer</b>	In 1x PBS, pH 7.4
<b>Storage Instruction</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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[Protocol Download](#)

## Gene Info — PTPN7

Entrez GeneID [5778](#)

GeneBank Accession# [BC001746](#)

Protein Accession# [AAH01746](#)

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](#)