

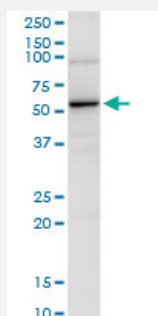
MaxPab®

# PTPN6 purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00005777-D01P

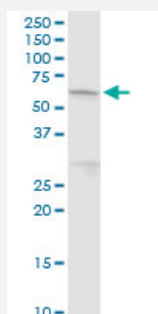
Size 100 ug

## Applications



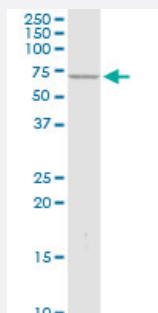
### Western Blot (Tissue lysate)

PTPN6 MaxPab rabbit polyclonal antibody. Western Blot analysis of PTPN6 expression in mouse lung.



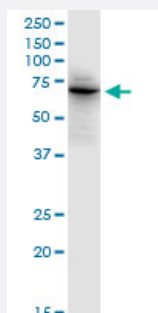
### Western Blot (Tissue lysate)

PTPN6 MaxPab rabbit polyclonal antibody. Western Blot analysis of PTPN6 expression in mouse spleen.



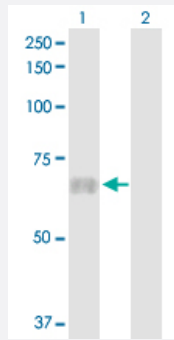
### Western Blot (Tissue lysate)

PTPN6 MaxPab rabbit polyclonal antibody. Western Blot analysis of PTPN6 expression in human pancreas.



### Western Blot (Cell lysate)

PTPN6 MaxPab rabbit polyclonal antibody. Western Blot analysis of PTPN6 expression in HeLa.



## Western Blot (Transfected lysate)

Western Blot analysis of PTPN6 expression in transfected 293T cell line ([H00005777-T02](#)) by PTPN6 MaxPab polyclonal antibody.

Lane 1: PTPN6 transfected lysate(67.60 KDa).

Lane 2: Non-transfected lysate.

## Specification

|                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b>     | Rabbit polyclonal antibody raised against a full-length human PTPN6 protein.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Immunogen</b>               | PTPN6 (NP_002822.2, 1 a.a. ~ 595 a.a) full-length human protein.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Sequence</b>                | MVRWFHRDLSGLDAETLLKGRGVHGSFLARPSRKNQGDFSLSVRVGDQVTHIRIQNSGDFYDLY<br>GGEKFATLTELVEYYTQQQGVLDQDRDGTIIHLKYPLNCSDPTSERWYHGHMSGGQAETLLQAKGE<br>PWTFLLVRESLSQPGDFVLSVLSQPKAGPGSPLRVTHIKVMCEGGRYTVGGLETFDLSDLVEH<br>FKKTGIEEASGAFVYL RQPYATRVNAADIENRVLELNKKQSEDTAKAGFWEEFESLQKQEVKN<br>LHQRLEGQRPENKKGKNRYKNILPFDHSRVILQGRDSNIPGSDYINANYIKNQLLGPDENAKTYIASQG<br>CLEATVNDFWQMAWQENSRVIMTTREVEKGRNKCVPYWPEVGMQRAYGPYSVTNCGEHDTT<br>EYKLRTLQVSPLDNGDLIREWHYQYLSWPDHGPVSEPGGVLSFLDQINQRQESLPHAGPIVHCS<br>AGIGRTGTIVIDMLMENISTKGLDCDIDIQKTIQMVRAQRSGMVQTEAQYKFIYVAIAQFIETTKKKLEV<br>LQSQKGQSEYGNITYPPAMKNAHAKASRTSSSKHKEDVYENLHTKNKREEKVKKQRSADKEKSK<br>GSLKRK |
| <b>Host</b>                    | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Reactivity</b>              | Human, Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <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.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

## Applications

### ● Western Blot (Tissue lysate)

PTPN6 MaxPab rabbit polyclonal antibody. Western Blot analysis of PTPN6 expression in mouse lung.

[Protocol Download](#)

- Western Blot (Tissue lysate)

PTPN6 MaxPab rabbit polyclonal antibody. Western Blot analysis of PTPN6 expression in mouse spleen.

[Protocol Download](#)

- Western Blot (Tissue lysate)

PTPN6 MaxPab rabbit polyclonal antibody. Western Blot analysis of PTPN6 expression in human pancreas.

[Protocol Download](#)

- Western Blot (Cell lysate)

PTPN6 MaxPab rabbit polyclonal antibody. Western Blot analysis of PTPN6 expression in HeLa.

[Protocol Download](#)

- Western Blot (Transfected lysate)

Western Blot analysis of PTPN6 expression in transfected 293T cell line ([H00005777-T02](#)) by PTPN6 MaxPab polyclonal antibody.

Lane 1: PTPN6 transfected lysate(67.60 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

## Gene Info — PTPN6

|               |                      |
|---------------|----------------------|
| Entrez GeneID | <a href="#">5777</a> |
|---------------|----------------------|

|                     |                           |
|---------------------|---------------------------|
| GeneBank Accession# | <a href="#">NM_002831</a> |
|---------------------|---------------------------|

|                    |                             |
|--------------------|-----------------------------|
| Protein Accession# | <a href="#">NP_002822.2</a> |
|--------------------|-----------------------------|

|           |       |
|-----------|-------|
| Gene Name | PTPN6 |
|-----------|-------|

|            |                                                         |
|------------|---------------------------------------------------------|
| Gene Alias | HCP, HCPH, HPTP1C, PTP-1C, SH-PTP1, SHP-1, SHP-1L, SHP1 |
|------------|---------------------------------------------------------|

|                  |                                                   |
|------------------|---------------------------------------------------|
| Gene Description | protein tyrosine phosphatase, non-receptor type 6 |
|------------------|---------------------------------------------------|

|         |                        |
|---------|------------------------|
| Omim ID | <a href="#">176883</a> |
|---------|------------------------|

|               |                           |
|---------------|---------------------------|
| Gene Ontology | <a href="#">Hyperlink</a> |
|---------------|---------------------------|

**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. N-terminal part of this PTP contains two tandem Src homolog (SH2) domains, which act as protein phospho-tyrosine binding domains, and mediate the interaction of this PTP with its substrates. This PTP is expressed primarily in hematopoietic cells, and functions as an important regulator of multiple signaling pathways in hematopoietic cells. This PTP has been shown to interact with, and dephosphorylate a wide spectrum of phospho-proteins involved in hematopoietic cell signaling. Multiple alternatively spliced variants of this gene, which encode distinct isoforms, have been reported. [provided by RefSeq]

**Other Designations**

hematopoietic cell phosphatase|hematopoietic cell protein-tyrosine phosphatase|protein-tyrosine phosphatase 1C

## Pathway

- [Adherens junction](#)
- [B cell receptor signaling pathway](#)
- [Jak-STAT signaling pathway](#)
- [Natural killer cell mediated cytotoxicity](#)
- [T cell receptor signaling pathway](#)

## Disease

- [Alzheimer disease](#)
- [Cerebral Amyloid Angiopathy](#)
- [Genetic Predisposition to Disease](#)
- [Lupus Erythematosus](#)
- [Neuroblastoma](#)