



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 



PTPN7 purified MaxPab rabbit polyclonal antibody (D01P) MaxPab®

Catalog # : H00005778-D01P

規格 : [100 ug]

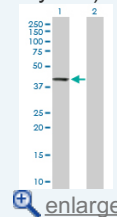
[List All](#)


Specification

| | |
|---------------------------------|---|
| Product Description: | Rabbit 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: | MVQAHGGRSRAQPLTSLGAAMTQPPPEKTPAKKHVRLQERRGSNVAL MLDVRSLGAVEPICSVNTPREVTLHFLRTAGHPLTRWALQRQPPSPKQL EEEFLLKIPSNFVSPEDLDIPGHASKDRYKTIILPNQSRVCLGRAQSQEDG DYINANYIRGYDGKEKYIATQGGMPNTVSDFWEMWWQEEVSLIVMLTQL REGKEKCVHYWPTEEETYGPFQIRIQDMKECPEYTVRQLTIQYQEERRS VKHILFSAWPDHQTPEASAGPLLRLVAEVEESPETAHPGPIVHCSAGIG RTGCFIATRIGCQQLKARGEVDILGVCQLRLDRGGMIQTAEQYQFLHHT LALYAGQLPEEPSP |
| Host: | Rabbit |
| Reactivity: | Human |
| 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. |
| MSDS: |  Download |
| Datasheet: |  Download |

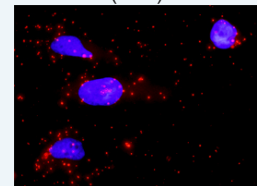
Application Image

Western Blot (Transfected lysate)



 [enlarge](#)

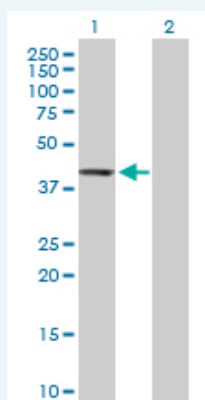
In situ Proximity Ligation Assay (Cell)



 [enlarge](#)


Applications

Western Blot (Transfected lysate)

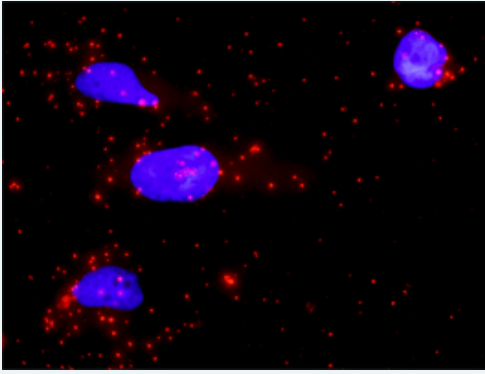


Western Blot analysis of PTPN7 expression in transfected 293T cell line ([H00005778-T03](#)) by PTPN7 MaxPab polyclonal antibody.

Lane 1: PTPN7 transfected lysate(40.50 KDa).
Lane 2: Non-transfected lysate.

 [Protocol Download](#)

In situ Proximity Ligation Assay (Cell)



Proximity Ligation Analysis of protein-protein interactions between PTPN7 and MAPK1. HeLa cells were stained with anti-PTPN7 rabbit purified polyclonal 1:1200 and anti-MAPK1 mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).

Gene Information

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

Gene Pathway

[MAPK signaling pathway](#)