

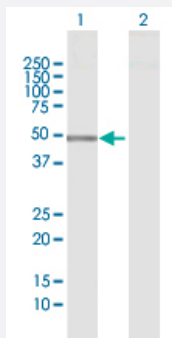
MaxPab®

PTPN2 MaxPab rabbit polyclonal antibody (D01)

Catalog # H00005771-D01

Size 100 uL

Applications

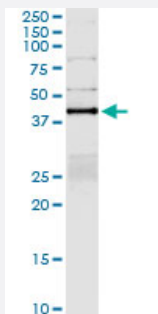


Western Blot (Transfected lysate)

Western Blot analysis of PTPN2 expression in transfected 293T cell line ([H00005771-T02](#)) by PTPN2 MaxPab polyclonal antibody.

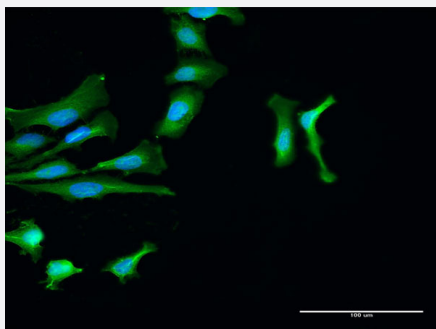
Lane 1: PTPN2 transfected lysate(45.2 KDa).

Lane 2: Non-transfected lysate.



Immunoprecipitation

Immunoprecipitation of PTPN2 transfected lysate using anti-PTPN2 MaxPab rabbit polyclonal antibody and Protein A Magnetic Bead, and immunoblotted with PTPN2 purified MaxPab mouse polyclonal antibody (B01P) ([H00005771-B01P](#)).



Immunofluorescence

Immunofluorescence of purified MaxPab antibody to PTPN2 on HeLa cell. [antibody concentration 20 ug/ml]

Specification

Product Description

Rabbit polyclonal antibody raised against a full-length human PTPN2 protein.

Immunogen	PTPN2 (NP_536347.1, 1 a.a. ~ 387 a.a) full-length human protein.
Sequence	MPTTIEREFEELDTQRRWQPLYLEIRNESHDPYHRVAKFPENRNRNRYRDVSPYDHSRVKLQNAE NDYINASLVDIEEAQRSYILTQGPLPNTCCHFWMVWQQKTKAVVMLNRIVEKESVKCAQYWPTD DQEMLFKETGFSVKLLSEDEVKSYTVHLLQLENINSGETRTISHFHYTTWPDFGVPEPASFLNFL FKVRESGSLNPDHGPAVIHCSAGIGRSGTFSLVDTCLVLMEEKGDDINIKQVLLNMRKYRMGLIQT DQLRFSYMAIIIEGAKCIKGDSSIQKRWKELSKEDLSPAFDHSPNKIMTEKYNGNRIGLEEEKLTGDR CTGLSSKMQDTMEENSESALRKRIREDRKATTAQKVQQMKQRLNENERKRKRPRLTDT
Host	Rabbit
Reactivity	Human
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.

Applications

- Western Blot (Transfected lysate)

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[Protocol Download](#)

- Immunoprecipitation

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[Protocol Download](#)

- Immunofluorescence

Immunofluorescence of purified MaxPab antibody to PTPN2 on HeLa cell. [antibody concentration 20 ug/ml]

Gene Info — PTPN2

Entrez GeneID [5771](#)

GeneBank Accession# [NM_080422.1](#)

Protein Accession#	NP_536347.1
Gene Name	PTPN2
Gene Alias	PTPT, TC-PTP, TCELLPTP, TCPTP
Gene Description	protein tyrosine phosphatase, non-receptor type 2
Omim ID	176887
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a member of the protein tyrosine phosphatase (PTP) family. Members of the PTP family share a highly conserved catalytic motif, which is essential for the catalytic activity. PTPs are known to be signaling molecules that regulate a variety of cellular processes including cell growth, differentiation, mitotic cycle, and oncogenic transformation. Epidermal growth factor receptor and the adaptor protein Shc were reported to be substrates of this PTP, which suggested the roles in growth factor mediated cell signaling. Three alternatively spliced variants of this gene, which encode isoforms differing at their extreme C-termini, have been described. The different C-termini are thought to determine the substrate specificity, as well as the cellular localization of the isoforms. Two highly related but distinctly processed pseudogenes that localize to distinct chromosomes have been reported. [provided by RefSeq]
Other Designations	T-cell protein tyrosine phosphatase

Disease

- [Addison Disease](#)
- [Arthritis](#)
- [Autoimmune Diseases](#)
- [Carcinoma](#)
- [Celiac Disease](#)
- [Colitis](#)
- [Crohn Disease](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Disease Susceptibility](#)
- [Genetic Predisposition to Disease](#)
- [Ileal Diseases](#)

- [Inflammatory Bowel Diseases](#)
- [Lupus Erythematosus](#)
- [Prostatic Neoplasms](#)
- [Rectal Fistula](#)
- [Tobacco Use Disorder](#)