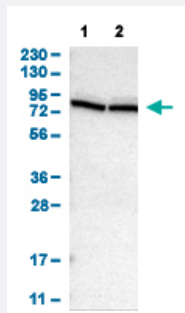


## PTPN4 polyclonal antibody

Catalog # PAB31625

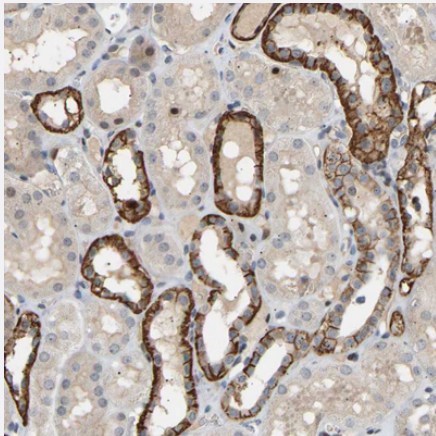
Size 100 uL

### Applications



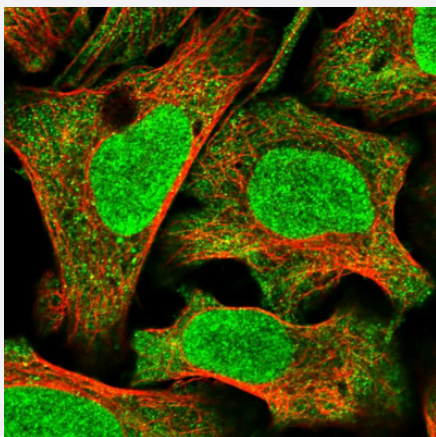
#### Western Blot (Cell lysate)

Western Blot analysis of (1) human cell line RT-4, and (2) human cell line U-251MG sp.



#### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human kidney shows strong cytoplasmic and membranous positivity in renal tubules.



#### Immunofluorescence

Immunofluorescent staining of human cell line U-2 OS shows localization to nucleus & cytosol. Antibody staining is shown in green.

## Specification

<b>Product Description</b>	Rabbit polyclonal antibody raised against partial recombinant human PTPN4.
<b>Immunogen</b>	Recombinant protein corresponding to amino acids 743-831 of human PTPN4.
<b>Sequence</b>	EQGSSMVVMLTTQVERGRVKCHQYWPEPTGSSSYGCVQVTCHSEEGNTAYIFRKMTLFNQEKN ESRPLTQIQYAWPDHGVDPDDSSDFL
<b>Host</b>	Rabbit
<b>Reactivity</b>	Human
<b>Form</b>	Liquid
<b>Purification</b>	Antigen affinity purification
<b>Isotype</b>	IgG
<b>Recommend Usage</b>	Immunofluorescence (1-4 ug/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:50-1:200) Western Blot (0.4 ug/mL) The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide).
<b>Storage Instruction</b>	Store at 4°C for short term storage. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Western Blot (Cell lysate)

Western Blot analysis of (1) human cell line RT-4, and (2) human cell line U-251MG sp.

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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- Immunofluorescence

Immunofluorescent staining of human cell line U-2 OS shows localization to nucleus & cytosol. Antibody staining is shown in green.

## Gene Info — PTPN4

**Entrez GeneID** [5775](#)**Protein Accession#** [P29074](#)**Gene Name** PTPN4**Gene Alias** PTPMEG, PTPMEG1**Gene Description** protein tyrosine phosphatase, non-receptor type 4 (megakaryocyte)**Omim ID** [176878](#)**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 protein contains a C-terminal PTP domain and an N-terminal domain homologous to the band 4.1 superfamily of cytoskeletal-associated proteins. This PTP has been shown to interact with glutamate receptor delta 2 and epsilon subunits, and is thought to play a role in signalling downstream of the glutamate receptors through tyrosine dephosphorylation. [provided by RefSeq]

**Other Designations** PTPase-MEG1|megakaryocyte phosphatase|megakaryocyte protein-tyrosine phosphatase|protein tyrosine phosphatase MEG1|protein tyrosine phosphatase, non-receptor type 4