

PTP1B Rabbit mAb
Catalog # AP75975**Specification**

PTP1B Rabbit mAb - Product Information

Application	WB, IHC-P, IHC-F, ICC
Primary Accession	P18031
Reactivity	Human
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	49967

PTP1B Rabbit mAb - Additional Information**Gene ID** 5770**Other Names**
PTPN1**Dilution**
WB~~1/500-1/1000
IHC-P~~N/A
IHC-F~~N/A
ICC~~N/A**Format**
50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.**Storage**
Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.**PTP1B Rabbit mAb - Protein Information****Name** PTPN1**Synonyms** PTP1B**Function**
Tyrosine-protein phosphatase which acts as a regulator of endoplasmic reticulum unfolded protein response. Mediates dephosphorylation of EIF2AK3/PERK; inactivating the protein kinase activity of EIF2AK3/PERK. May play an important role in CKII- and p60c- src-induced signal transduction cascades. May regulate the EFNA5-EPHA3 signaling pathway which modulates cell reorganization and cell-cell repulsion. May also regulate the hepatocyte growth factor receptor signaling pathway through dephosphorylation of MET.**Cellular Location**
Endoplasmic reticulum membrane; Peripheral membrane protein; Cytoplasmic side Note=Interacts with EPHA3 at the cell membrane

Tissue Location

Expressed in keratinocytes (at protein level).

PTP1B Rabbit mAb - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

PTP1B Rabbit mAb - Images