

Product Name: PTP1B (13P19) Rabbit Monoclonal Antibody**Catalog #: AMRe16665**

For research use only.

Summary

Description	Recombinant rabbit monoclonal antibody
Host	Rabbit
Application	WB,IHC,IP,IF-P
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Concentration	0.5mg/ml. The concentration of this product may be batch-dependent.
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% New type preservative N and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:200-1:1000,IP 1:20-1:50,IF-P 1:200-1:1000
Molecular Weight	50kDa

Antigen Information

Gene Name	PTPN1
Alternative Names	CPTP1; PTN1; PTP-1B; PTP-HA2; PTPN1;
Gene ID	5770.0
SwissProt ID	P18031
Immunogen	A synthetic peptide of human PTP1B

Background

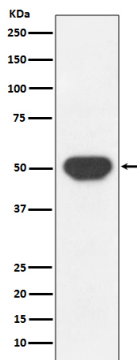
The protein encoded by this gene is the founding member of the protein tyrosine phosphatase (PTP) family, which was isolated

and identified based on its enzymatic activity and amino acid sequence. PTPs catalyze the hydrolysis of the phosphate monoesters specifically on tyrosine residues. 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.

Research Area

Signal Transduction

Image Data



Western blot analysis of PTP1B expression in HeLa cell lysate.