

Recombinant Anti-PTPN1/2 Rabbit mAb

Catalog # AP95367

Product Information

Application	WB, FC, IP
Primary Accession	P18031
Other Accession	P17706
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Monoclonal
Calculated MW	49967

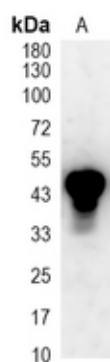
Additional Information

Gene ID	5770
Other Names	PTP1B; Tyrosine-protein phosphatase non-receptor type 1; Protein-tyrosine phosphatase 1B; PTP-1B; PTPT; Tyrosine-protein phosphatase non-receptor type 2; T-cell protein-tyrosine phosphatase; TCPTP
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within human PTPN1/2 protein. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) FC~~1:10~50 IP~~N/A
Format	Liquid in PBS, pH 7.3, 50% glycerol, 0.05% BSA, and 0.05% Proclin300.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

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).

Images



Western blot analysis of PTPN1/2 expression in HepG2 (A) whole cell lysates. (Predicted band size: 50, 48 kD; Observed band size: 40-48 kD)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.