

Anti-PTP1B (pY66) Antibody

Rabbit polyclonal antibody to PTP1B (pY66)

Catalog # AP61103

Product Information

Application	WB
Primary Accession	P18031
Other Accession	P35821
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	49967

Additional Information

Gene ID	5770
Other Names	PTP1B; Tyrosine-protein phosphatase non-receptor type 1; Protein-tyrosine phosphatase 1B; PTP-1B
Target/Specificity	Recognizes endogenous levels of PTP1B (pY66) protein.
Dilution	WB~~WB (1/500 - 1/1000)
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

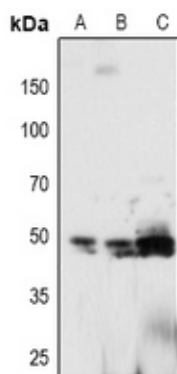
Name	PTPN1
Synonyms	PTP1B
Function	Tyrosine-protein phosphatase which acts as a regulator of endoplasmic reticulum unfolded protein response. Mediates dephosphorylation of EIF2AK3/PERK; inactivating the protein kinase activity of EIF2AK3/PERK. May play an important role in CKII- and p60c- src-induced 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 Expressed in keratinocytes (at protein level).

Tissue Location

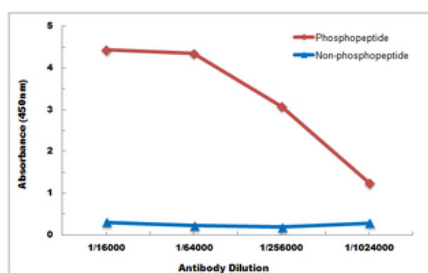
Background

KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human PTP1B. The exact sequence is proprietary.

Images



Western blot analysis of PTP1B (pY66) expression in MCF7 (A), A549 (B), mouse lung (C) whole cell lysates.



Direct ELISA antibody dose-response curve using Anti-PTP1B (pY66) Antibody. Antigen (phosphopeptide and non-phosphopeptide) concentration is 5 ug/ml. Goat Anti-Rabbit IgG (H&L) - HRP was used as the secondary antibody, and signal was developed by TMB substrate.

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