

Datasheet for ABIN7138636
anti-PTPN1 antibody (pSer50)



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1 Image

Overview

Quantity:	100 µL
Target:	PTPN1
Binding Specificity:	pSer50
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PTPN1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	Peptide sequence around phosphorylation site of Serine 50(D-V-S(p)-P-F) derived from Human PTP1B.
Isotype:	IgG
Cross-Reactivity:	Human, Monkey, Mouse, Rat
Purification:	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using

Target Details

Target:	PTPN1
Alternative Name:	PTPN1 (PTPN1 Products)

Target Details

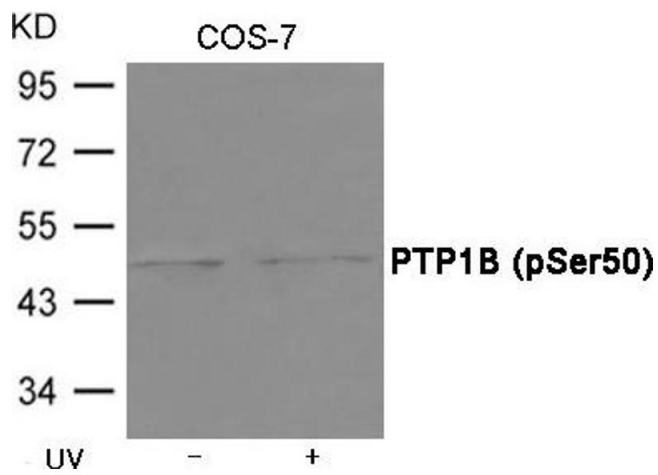
Background:	<p>Background:</p> <p>Tyrosine-protein phosphatase which acts as a regulator of endoplasmic reticulum unfolded protein response. Mediates dephosphorylation of EIF2AK3/PERK, inactivating the protein kinase activity of EIF2AK3/PERK. May play an important role in CKII- and p60c-src-induced signal 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.</p> <p>Aliases: body, Non receptor tyrosine phosphatase 1 antibody, Protein phosphotyrosylphosphatase 1B antibody, Protein tyrosine phosphatase 1B antibody, Protein tyrosine phosphatase non receptor type 1 antibody, Protein tyrosine phosphatase placental antibody, Protein-tyrosine phosphatase 1B antibody, PTN1_HUMAN antibody, PTP 1B antibody, PTP-1B antibody, PTPN 1 antibody, PTPN1 antibody, Tyrosine protein phosphatase non receptor type 1 antibody, Tyrosine-protein phosphatase non-receptor type 1 antibody</p>
UniProt:	P18031
Pathways:	TLR Signaling , Response to Growth Hormone Stimulus , ER-Nucleus Signaling , Platelet-derived growth Factor Receptor Signaling

Application Details

Application Notes:	WB:1:500-1:1000,
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Supplied at 1.0 mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



Western Blotting

Image 1. Western blot analysis of extracts from COS-7 cells untreated or treated with UV using PTP1B (Phospho-Ser50) Antibody .