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Datasheet for ABIN1881705 anti-PTPN1 antibody (AA 221-249)

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Publications



Overview

Quantity:	400 µL
Target:	PTPN1
Binding Specificity:	AA 221-249
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PTPN1 antibody is un-conjugated
Application:	Western Blotting (WB)
Product Details	
Immunogen:	This PTPN1 antibody is generated from rabbits immunized with a KLH conjugated synthetic
	peptide between 221-249 amino acids from the Central region of human PTPN1.
Clone:	RB41801
Isotype:	Ig Fraction
Predicted Reactivity:	Rat
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.
Target Details	
Target:	PTPN1
Alternative Name:	PTPN1 (PTPN1 Products)

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Target Details

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. Members of the PTP family share a highly conserved catalytic motif, which is
	essential for the catalytic activity. PTPs are known to be signaling molecules that regulate a
	variety of cellular processes including cell growth, differentiation, mitotic cycle, and oncogenic
	transformation. This PTP has been shown to act as a negative regulator of insulin signaling by
	dephosphorylating the phosphotryosine residues of insulin receptor kinase. This PTP was also
	reported to dephosphorylate epidermal growth factor receptor kinase, as well as JAK2 and
	TYK2 kinases, which implicated the role of this PTP in cell growth control, and cell response to
	interferon stimulation.
Molecular Weight:	49967
NCBI Accession:	NP_001265547, NP_002818
UniProt:	P18031
Pathways:	TLR Signaling, Response to Growth Hormone Stimulus, ER-Nucleus Signaling, Platelet-derived
	growth Factor Receptor Signaling

Application Details

Application Notes:	WB: 1:1000
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
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:	4 °C,-20 °C
Expiry Date:	6 months

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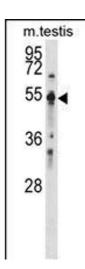
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Images



Western Blotting

Image 1. PTPN1 Antibody (Center) (ABIN1881705 and ABIN2839035) western blot analysis in mouse testis tissue lysates (35 µg/lane).This demonstrates the PTPN1 antibody detected the PTPN1 protein (arrow).

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