

For Research Use Only

# PTPN1/PTP1B Recombinant antibody

Catalog Number: 85905-5-RR



## Basic Information

Catalog Number:	85905-5-RR	GenBank Accession Number:	BC015660	Purification Method:	Protein A purification
Size:	100ul, Concentration: 1000 µg/ml by Nanodrop;	GenelD (NCBI):	5770	CloneNo.:	250215G5
Source:	Rabbit	UNIPROT ID:	P18031	Recommended Dilutions:	WB 1:2000-1:10000
Isotype:	IgG	Full Name:	protein tyrosine phosphatase, non-receptor type 1		
Immunogen Catalog Number:	AG1878	Calculated MW:	435 aa, 50 kDa		
		Observed MW:	52 kDa		

## Applications

Tested Applications:	WB, ELISA	Positive Controls:
Species Specificity:	human	WB: Sp2/0 cells, HeLa cells, Jurkat cells, THP-1 cells, BxPC-3 cells

## Background Information

PTPN1 (protein tyrosine phosphatase, non-receptor type 1) is also named as PTP1B or PTP-1B, and belongs to the protein-tyrosine phosphatase family and non-receptor class 1 subfamily. PTPN1 is involved in the regulation of several important physiological pathways, which regulates both INS and Leptin signaling, and interacts with the epidermal-and platelet-derived growth factor receptors (PMID: 20101100). The gene might harbor variants influencing susceptibility to INS resistance and type 2 diabetes (PMID:15919813). The molecular mass of PTPN1 is 50 kDa, but sometimes some truncated forms can be detected as 48, 46, 39, 37 kDa due to non-specific proteolytic cleavage of PTP1B in different cells (PMID: 18253097).

## Storage

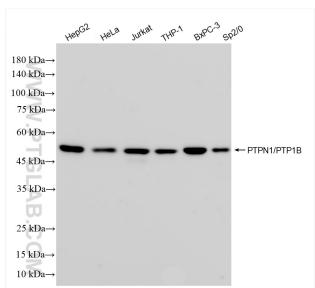
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
**Aliquoting is unnecessary for -20°C storage**

\*\*\* 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:  
T: 1(888) 4PTGLAB (1-888-478-4522) (toll free  
in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 85905-5-RR (PTPN1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.