

For Research Use Only

PTPN1/PTP1B Recombinant antibody, PBS Only

Catalog Number: 85905-4-PBS



Basic Information

Catalog Number: 85905-4-PBS	GenBank Accession Number: BC015660	Purification Method: Protein A purification
Concentration: 1 mg/ml	GeneID (NCBI): 5770	CloneNo.: 250215G6
Source: Rabbit	UNIPROT ID: P18031	
Isotype: IgG	Full Name: protein tyrosine phosphatase, non-receptor type 1	
Immunogen Catalog Number: AG1878	Calculated MW: 435 aa, 50 kDa	
	Observed MW: 50 kDa	

Applications

Tested Applications:
WB, IF/ICC, Indirect ELISA

Species Specificity:
human

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 -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS only, pH7.3

For technical support and original validation data for this product please contact:

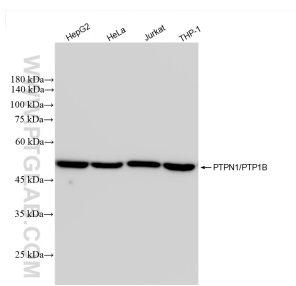
T: 4006900926

E: Proteintech-CN@ptglab.com

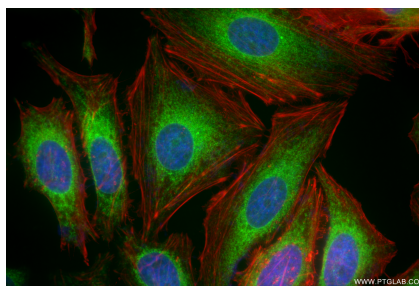
W: ptgcn.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 85905-4-RR (PTPN1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 85905-4-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using PTPN1 antibody (85905-4-RR, Clone: 250215G6) at dilution of 1:500 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red). This data was developed using the same antibody clone with 85905-4-PBS in a different storage buffer formulation.