

For Research Use Only

PTPN18 Recombinant antibody, PBS Only

Catalog Number: 83024-1-PBS



Basic Information

Catalog Number: 83024-1-PBS	GenBank Accession Number: BC052800	Purification Method: Protein A purification
Size: 100ug, Concentration: 1mg/ml by Nanodrop;	GeneID (NCBI): 26469	CloneNo.: 230154G8
Source: Rabbit	UNIPROT ID: Q99952	
Isotype: IgG	Full Name: protein tyrosine phosphatase, non-receptor type 18 (brain-derived)	
Immunogen Catalog Number: AG34048	Calculated MW: 460 aa, 50 kDa	
	Observed MW: 48 kDa	

Applications

Tested Applications:
WB, FC (Intra), Indirect ELISA

Species Specificity:
human

Background Information

PTPN18 (also called PTP-HSCF or BDP1), a member of the protein tyrosine phosphatase superfamily, has been reported to be a tumor suppressor in breast cancer by dephosphorylating HER2 and suppressing cell proliferation and invasion. In addition to the well-established role of PTPN18 in breast cancer, our previous study found that PTPN18 and CSK cooperate to inhibit the events triggered by SRC kinases. (PMID: 35982039)

Storage

Storage:
Store at -80°C.

Storage Buffer:
PBS Only

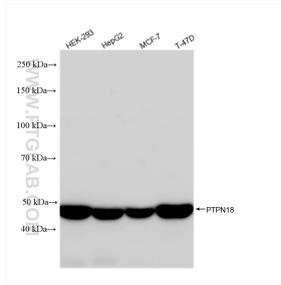
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

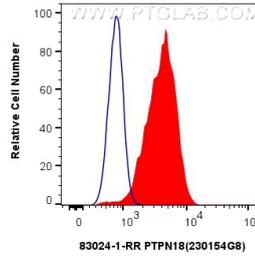
E: proteintech@ptglab.com
W: ptglab.com

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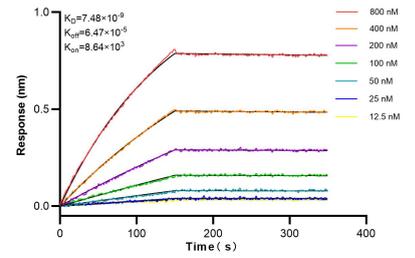
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 83024-1-RR (PTPN18 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 83024-1-PBS in a different storage buffer formulation.



1x10⁶ HEK-293 cells were intracellularly stained with 0.25 ug PTPN18 Recombinant antibody (83024-1-RR, Clone:230154G8) and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2)(red), or 0.25 ug Rabbit IgG Isotype Control Recombinant Antibody (98136-1-RR, Clone: 240953C9) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011). This data was developed using the same antibody clone with 83024-1-PBS in a



Bi-layer interferometry (BLI) kinetic assays of 83024-1-RR against Human PTPN18 were performed. The affinity constant is 7.48 nM.