

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

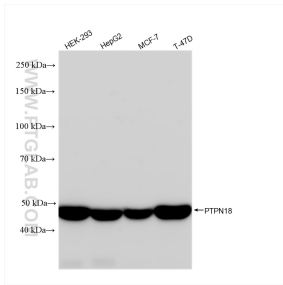
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

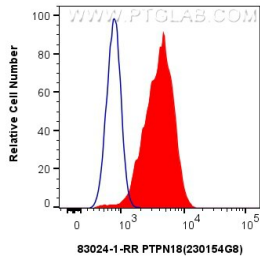
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

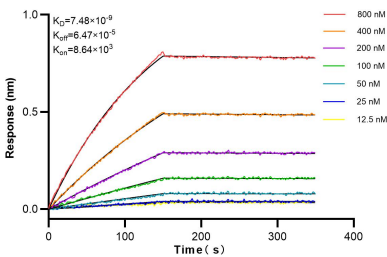
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 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



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