

For Research Use Only

# CoraLite® Plus 750-conjugated PTPN18 Recombinant antibody

Catalog Number: CL750-83024



## Basic Information

Catalog Number:

CL750-83024

Size:

100ul, Concentration: 1000 ug/ml by  
Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG34048

GenBank Accession Number:

BC052800

GeneID (NCBI):

26469

UNIPROT ID:

Q99952

Full Name:

protein tyrosine phosphatase, non-  
receptor type 18 (brain-derived)

Calculated MW:

460 aa, 50 kDa

Observed MW:

48 kDa

Purification Method:

Protein A purification

CloneNo.:

230154G8

Recommended Dilutions:

WB 1:500-1:2000

Excitation/Emission maxima  
wavelengths:

755 nm / 780 nm

## Applications

Tested Applications:

WB, FC (Intra)

Species Specificity:

human

Positive Controls:

WB : HepG2 cells, MCF-7 cells, T-47D cells

## 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 -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

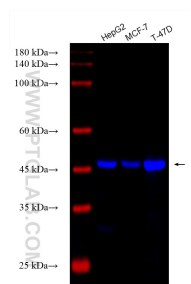
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free  
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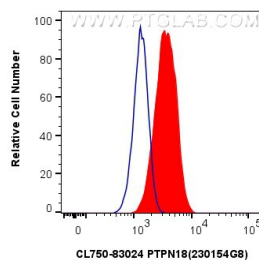
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other manufacturer.

## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with CL750-83024 (PTPN18 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



$1 \times 10^6$  MCF-7 cells were intracellularly stained with 0.25  $\mu$ g CoraLite® Plus 750-conjugated PTPN18 Recombinant antibody (CL750-83024, Clone:230154G8)(red), or 0.25  $\mu$ g Rabbit IgG Isotype Control Recombinant Antibody (98136-1-RR, Clone: 240953C9) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).