

For Research Use Only

# CoraLite® Plus 488-conjugated PTPN6 Polyclonal antibody

Catalog Number: CL488-24546

Featured Product



## Basic Information

Catalog Number:

CL488-24546

Size:

100ul, Concentration: 1000 ug/ml by 5777

Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG21415

GenBank Accession Number:

BC002523

GeneID (NCBI):

5777

UNIPROT ID:

P29350

Full Name:

protein tyrosine phosphatase, non-receptor type 6

Calculated MW:

597 aa, 68 kDa

Observed MW:

63 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IF/ICC 1:50-1:500

Excitation/Emission maxima wavelengths:

493 nm / 522 nm

## Applications

Tested Applications:

IF/ICC, FC (Intra)

Species Specificity:

human

Positive Controls:

IF/ICC : MCF-7 cells,

## Background Information

PTPN6 (Tyrosine-protein phosphatase non-receptor type 6) is also named as HCP, PTP1C and belongs to the protein-tyrosine phosphatase family. It regulates muscle INS action in a cell-autonomous manner, further suggesting that the PTPase negatively modulates INS action through down-regulation of both INS signaling to AKT1 and SLC2A4 translocation, as well as SLC2A4 expression (PMID:21952243). It has 4 isoforms produced by alternative splicing.

## 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

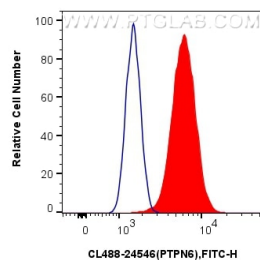
For technical support and original validation data for this product please contact:

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

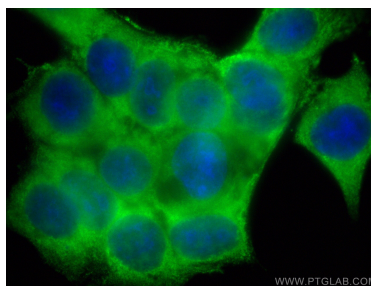
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

## Selected Validation Data



1X10<sup>6</sup> MCF-7 cells were intracellularly stained with 0.4 ug CoraLite® Plus 488 Anti-Human PTPN6 (CL488-24546) (red), or 0.4 ug CoraLite® Plus 488-conjugated Rabbit IgG control Rabbit PolyAb (CL488-30000, Clone: ) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Immunofluorescent analysis of (-20°C Methanol) fixed MCF-7 cells using CoraLite® Plus 488 PTPN6 antibody (CL488-24546) at dilution of 1:200.