

For Research Use Only

CoraLite® Plus 647-conjugated PTPN6/SHP1 Polyclonal antibody

Catalog Number: CL647-24546

Featured Product



Basic Information

Catalog Number:

CL647-24546

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:

60-70 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

FC (Intra): 0.4 ug per 10⁶ cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:

654 nm / 674 nm

Applications

Tested Applications:

FC (Intra)

Species Specificity:

human, mouse, rat

Positive Controls:

FC (Intra) : 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, pH7.3

Aliquoting is unnecessary for -20°C storage

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

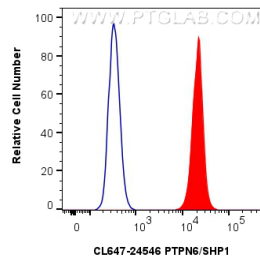
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1x10⁶ MCF-7 cells were intracellularly stained with 0.4 ug CoraLite® Plus 647-conjugated PTPN6/SHP1 Polyclonal antibody (CL647-24546) (red), or 0.4 ug Isotype Control (blue). Cells were fixed and permeabilized with Intracellular Flow Cytometry Fixation & Permeabilization Buffer Kit (PF00019).