

For Research Use Only

CoraLite® Plus 488-conjugated RanGAP1 Monoclonal antibody

Catalog Number: CL488-67146



Basic Information

Catalog Number:

CL488-67146

Concentration:

1000 ug/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG26136

GenBank Accession Number:

BC014044

GeneID (NCBI):

5905

UNIPROT ID:

P46060

Full Name:

Ran GTPase activating protein 1

Calculated MW:

64 kDa

Observed MW:

64 kDa, 82 kDa

Purification Method:

Protein G purification

CloneNo.:

1F3A4

Recommended Dilutions:

IF/ICC 1:50-1:500

Excitation/Emission maxima
wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

IF/ICC

Species Specificity:

human, mouse, rat

Positive Controls:

IF/ICC : HepG2 cells,

Background Information

RanGAP1 is a protein that associates with the nuclear pore complex and participates in the regulation of nuclear transport. In mammalian cells, unmodified RanGAP1 is predominantly cytoplasmic, whereas modification by small ubiquitin-related modifier protein (SUMO) targets RanGAP1 to the cytoplasmic filaments of nuclear pore complex (NPC) where it forms a complex with RanBP2 and Ubc9. Phosphorylation of RanGAP1 occurs in a cell-cycle-dependent manner and may play a role in regulating RanGAP1 catalytic activity. We got 64 kDa (cytoplasmic Ran GAP1) and 82 kDa (SUMO-1 modified Ran GAP1) in western blotting.

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

Aliquoting is unnecessary for -20°C storage

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

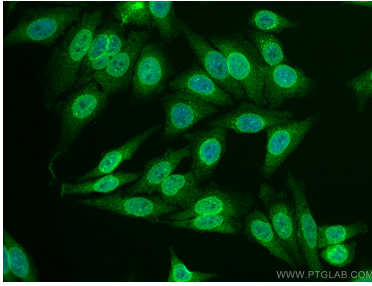
T: 4006900926

E: Proteintech-CN@ptglab.com

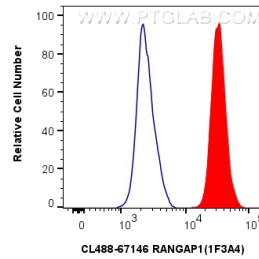
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Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using Coralite® Plus 488 RANGAP1 antibody (CL488-67146, Clone: 1F3A4) at dilution of 1:200.



1x10⁶ HepG2 cells were intracellularly stained with 0.4 ug Coralite® Plus 488-conjugated RANGAP1 Monoclonal antibody (CL488-67146, Clone:1F3A4)(red), or 0.4 ug Coralite® Plus 488 Mouse IgG1 Isotype Control (1F8D3) (CL488-66360-1, Clone: 1F8D3) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).