

For Research Use Only

CoraLite® Plus 594-conjugated RANGAP1 Monoclonal antibody

Catalog Number:CL594-67146



Basic Information

Catalog Number: CL594-67146	GenBank Accession Number: BC014044	Purification Method: Protein G purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 5905	CloneNo.: 1F3A4
Source: Mouse	UNIPROT ID: P46060	Recommended Dilutions: IF/ICC 1:500-1:2000
Isotype: IgG1	Full Name: Ran GTPase activating protein 1	Excitation/Emission maxima wavelengths: 594 nm / 615 nm
Immunogen Catalog Number: AG26136	Calculated MW: 64 kDa	
	Observed MW: 64 kDa, 82 kDa	

Applications

Tested Applications: IF/ICC	Positive Controls: IF/ICC : HepG2 cells,
Species Specificity: human, mouse, rat	

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.

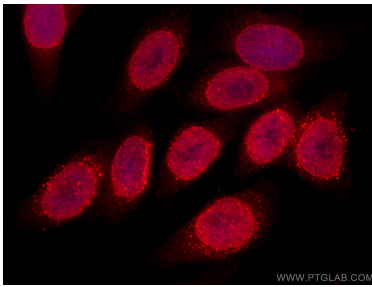
Storage

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

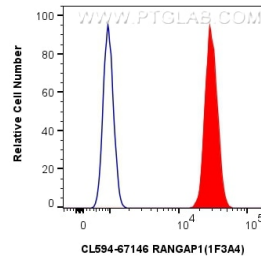
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using CoraLite® Plus 594 RANGAP1 antibody (CL594-67146, Clone: 1F3A4) at dilution of 1:1000.



1x10⁶ HepG2 cells were intracellularly stained with 0.8 ug CoraLite® Plus 594-conjugated RANGAP1 Monoclonal antibody (CL594-67146, Clone:1F3A4)(red), or 0.8 ug CoraLite® 594 Mouse IgG1 Isotype Control (1F8D3) (CL594-66360-1, Clone: 1F8D3) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).