

For Research Use Only

RanGAP1 Monoclonal antibody, PBS Only

Catalog Number: 67146-1-PBS



Basic Information

Catalog Number: 67146-1-PBS	GenBank Accession Number: BC014044	Purification Method: Protein A purification
Size: 100ug, Concentration: 1mg/ml by Nanodrop;	GeneID (NCBI): 5905	CloneNo.: 1F3A4
Source: Mouse	UNIPROT ID: P46060	
Isotype: IgG1	Full Name: Ran GTPase activating protein 1	
Immunogen Catalog Number: AG26136	Calculated MW: 64 kDa	
	Observed MW: 64 kDa, 82 kDa	

Applications

Tested Applications:
WB, IF/ICC, ELISA

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

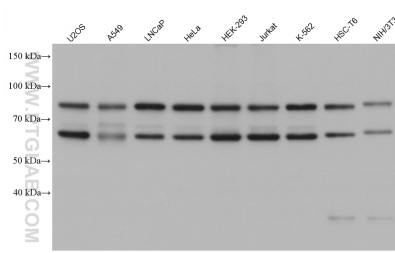
Storage:
Store at -80°C.

Storage Buffer:
PBS only

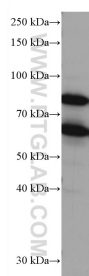
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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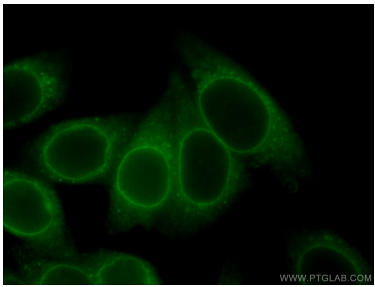
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 67146-1-Ig (RANGAP1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 67146-1-PBS in a different storage buffer formulation.



HeLa cells were subjected to SDS PAGE followed by western blot with 67146-1-Ig (RANGAP1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 67146-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using 67146-1-Ig (RANGAP1 antibody) at dilution of 1:100 and CoraLite488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 67146-1-PBS in a different storage buffer formulation.