

For Research Use Only

RanGAP1 Monoclonal antibody

Catalog Number: 67146-1-Ig **1 Publications**



Basic Information

Catalog Number: 67146-1-Ig	GenBank Accession Number: BC014044	Purification Method: Protein G purification
Concentration: 1000 ug/ml	GeneID (NCBI): 5905	CloneNo.: 1F3A4
Source: Mouse	UNIPROT ID: P46060	Recommended Dilutions: WB 1:5000-1:50000 IF/ICC 1:50-1:200
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	Positive Controls:
Cited Applications: IF	WB : U2OS cells, HeLa cells, HEK-293 cells, MCF-7 cells, Jurkat cells, HSC-T6 cells, NIH/3T3 cells, 4T1 cells, A549 cells, LNCaP cells, K-562 cells
Species Specificity: human, mouse, rat	IF/ICC : HepG2 cells,
Cited Species: human	

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 RanGAP1) and 82 kDa (SUMO-1 modified Ran GAP1) in western blotting.

Notable Publications

Author	Pubmed ID	Journal	Application
Tae Yeon Yoo	33909044	J Cell Biol	IF

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

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

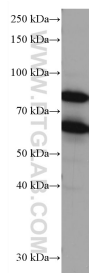
T: 4006900926

E: Proteintech-CN@ptglab.com

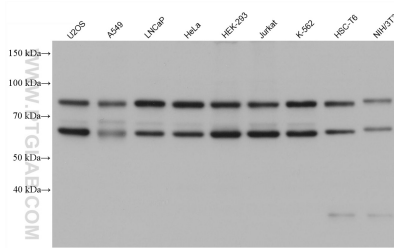
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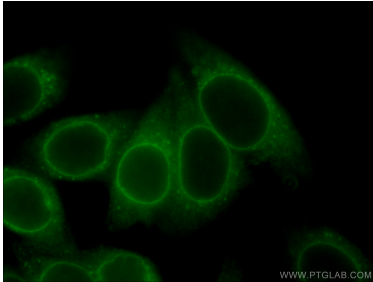
Selected Validation Data



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.



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.



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).