

For Research Use Only

RanGAP1 Polyclonal antibody

Catalog Number: 27405-1-AP **1 Publications**



Basic Information

Catalog Number: 27405-1-AP	GenBank Accession Number: BC014044	Purification Method: Antigen affinity purification
Size: 600 µg/ml	GeneID (NCBI): 5905	Recommended Dilutions: WB 1:500-1:2000
Source: Rabbit	UNIPROT ID: P46060	
Isotype: IgG	Full Name: Ran GTPase activating protein 1	
Immunogen Catalog Number: AG26128	Calculated MW: 64 kDa	
	Observed MW: 64 kDa, 82 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : SKOV-3 cells, MCF-7 cells, HEK-293 cells, NIH/3T3 cells, Neuro-2a cells
Cited Applications: WB	
Species Specificity: human, mouse	
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
James W Clancy	31235936	Nat Cell Biol	WB

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

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

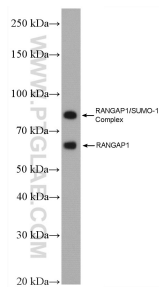
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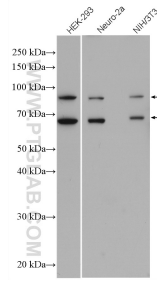
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Selected Validation Data



SKOV-3 cells were subjected to SDS PAGE followed by western blot with 27405-1-AP (RANGAP1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 27405-1-AP (RANGAP1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.