For Research Use Only

RanGAP1 Polyclonal antibody

Catalog Number:27405-1-AP 1 Publications

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Basic Information

Catalog Number:
27405-1-AP

Size:
150ul , Concentration: 600 μg/ml by Nanodrop and 367 μg/ml by Bradford method using BSA as the standard;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG26128

GenBank Accession Number:
BC014044

GeneID (NCBI):
5905

Full Name:
Ran GTPase activating protein 1

Calculated MW:
64 kDa

Observed MW:
64 kDa, 82 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:500-1:2000

Applications

Tested Applications:
WB, ELISA

Cited Applications:
WB

Species Specificity:
human, mouse

Cited Species:
human

Positive Controls:

WB : SKOV-3 cells, MCF-7 cells, HEK-293 cells, NIH/3T3 cells, Neuro-2a 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.

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

*** 20ul sizes contain 0.1% BSA

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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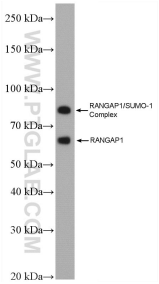
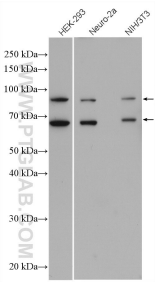
This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



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.