

For Research Use Only

# RanGAP1 Polyclonal antibody

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



## 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, NIH/3T3 cells, HEK-293 cells, Neuro-2a cells, MCF-7 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 RanGAP1) and 82 kDa (SUMO-1 modified RanGAP1) 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

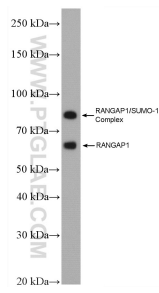
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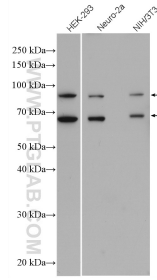
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## Selected Validation Data



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.