

For Research Use Only

# RANGAP1 Monoclonal ANTIBODY



Catalog Number: 67146-1-Ig

## Basic Information

<b>Catalog Number:</b> 67146-1-Ig	<b>GenBank Accession Number:</b> BC014044	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 150UL, Concentration: 1000 µg/ml by 5905 Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 5905	<b>CloneNo.:</b> 1F3A4
<b>Source:</b> Mouse	<b>Full Name:</b> Ran GTPase activating protein 1	<b>Recommended Dilutions:</b> WB 1:5000-1:20000 IF 1:50-1:200
<b>Isotype:</b> IgG1	<b>Calculated MW:</b> 64 kDa	
<b>Immunogen Catalog Number:</b> AG26136	<b>Observed MW:</b> 64 kDa, 82 kDa	

## Applications

<b>Tested Applications:</b> IF, WB, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> Human, mouse, rat	<b>WB:</b> HeLa cells, HEK-293 cells, MCF-7 cells, Jurkat cells, HSC-T6 cells, NIH/3T3 cells, 4T1 cells <b>IF:</b> HepG2 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 Ran GAP1) in western blotting.

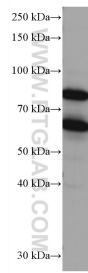
## Storage

**Storage:**  
Store at -20°C.  
**Storage Buffer:**  
PBS with 0.1% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

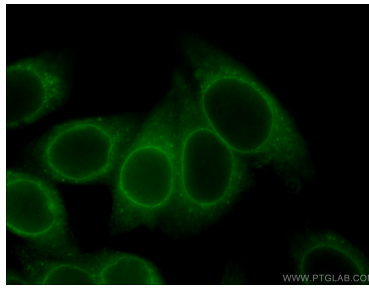
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

## 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.



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).