

For Research Use Only

# CoraLite® Plus 594-conjugated RANGAP1 Monoclonal antibody



Catalog Number:CL594-67146

## Basic Information

|   |  |   |
|---|--|---|
| <b>Catalog Number:</b><br>CL594-67146       | <b>GenBank Accession Number:</b><br>BC014044         | <b>Purification Method:</b><br>Protein G purification                 |
| <b>Size:</b><br>1000 µg/ml                  | <b>GeneID (NCBI):</b><br>5905                        | <b>CloneNo.:</b><br>1F3A4   |
| <b>Source:</b><br>Mouse                     | <b>UNIPROT ID:</b><br>P46060                         | <b>Recommended Dilutions:</b><br>IF 1:500-1:2000                      |
| <b>Isotype:</b><br>IgG1                     | <b>Full Name:</b><br>Ran GTPase activating protein 1 | <b>Excitation/Emission maxima<br/>wavelengths:</b><br>594 nm / 615 nm |
| <b>Immunogen Catalog Number:</b><br>AG26136 | <b>Calculated MW:</b><br>64 kDa                      |   |
|   | <b>Observed MW:</b><br>64 kDa, 82 kDa                |   |

## Applications

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|--|--|
| <b>Tested Applications:</b><br>IF/ICC            | <b>Positive Controls:</b><br>IF : HepG2 cells, |
| <b>Species Specificity:</b><br>Human, mouse, rat |  |

## 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.

## Storage

**Storage:**  
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

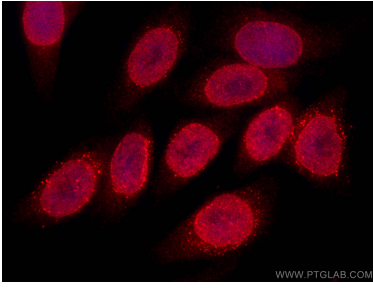
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## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using CoraLite® Plus 594 RANGAP1 antibody (CL594-67146, Clone: 1F3A4 ) at dilution of 1:1000.