

For Research Use Only

# RAP1GAP Recombinant antibody

Catalog Number: 86011-1-RR



## Basic Information

<b>Catalog Number:</b> 86011-1-RR	<b>GenBank Accession Number:</b> BC054490	<b>Purification Method:</b> Protein A purification
<b>Concentration:</b> 1000 µg/ml	<b>GeneID (NCBI):</b> 5909	<b>CloneNo.:</b> 250422B8
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P47736	<b>Recommended Dilutions:</b> IF/ICC: 1:200-1:800
<b>Isotype:</b> IgG	<b>Full Name:</b> RAP1 GTPase activating protein	
<b>Immunogen Catalog Number:</b> AG5576	<b>Calculated MW:</b> 73 kDa	

## Applications

<b>Tested Applications:</b> IF/ICC, ELISA	<b>Positive Controls:</b> IF/ICC : A549 cells, Jurkat cells
<b>Species Specificity:</b> human	

## Background Information

Rap1 GTPase-activating protein (Rap1GAP) is an important tumor suppressor. Rap1GAP was associated with the AMPK and NF- $\kappa$ B signaling pathways and that Rap1GAP inhibited AMPK/SIRT1 and activated the NF- $\kappa$ B signaling pathway in model animals. Rap1GAP was verified to regulate the AMPK SIRT1/NF- $\kappa$ B signaling pathway and exacerbate the damage to myocardial cells caused by ischemia and hypoxia (PMID: 38320624). Rap1GAP is involved in Ang II-induced cardiomyocyte hypertrophy through the regulation of autophagy (PMID: 33936386). Rap1GAP, which is the GTPase-activating protein of Rap1, can bind to Rap1, promote the transformation of GTP from its active to inactive form, and terminate signal transduction (PMID: 21295042).

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
Aliquoting is unnecessary for -20°C storage

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

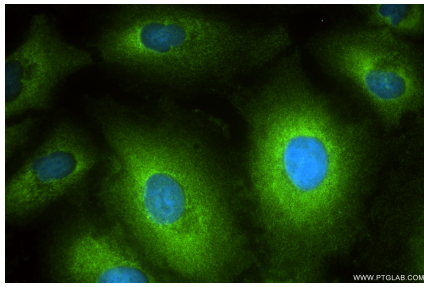
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

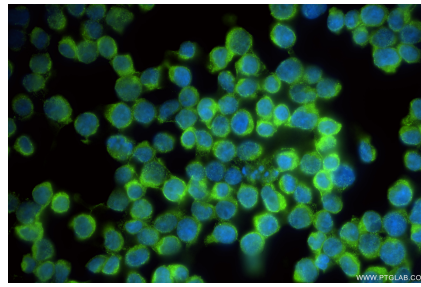
W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed A549 cells using RAP1GAP antibody (86011-1-RR, Clone: 250422B8 ) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).



Immunofluorescent analysis of (4% PFA) fixed Jurkat cells using RAP1GAP antibody (86011-1-RR, Clone: 250422B8 ) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).