

For Research Use Only

# CoraLite® Plus 488-conjugated RAP1GAP Recombinant monoclonal antibody

Catalog Number: **CL488-86011**



## Basic Information

<b>Catalog Number:</b> CL488-86011	<b>GenBank Accession Number:</b> BC054490	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 5909	<b>CloneNo.:</b> 25042288
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P47736	<b>Recommended Dilutions:</b> IF/ICC: 1:50-1:500
<b>Isotype:</b> IgG	<b>Full Name:</b> RAP1 GTPase activating protein	<b>Excitation/Emission maxima wavelengths:</b> 493 nm / 522 nm
<b>Immunogen Catalog Number:</b> AG5576	<b>Calculated MW:</b> 73 kDa	

## Applications

<b>Tested Applications:</b> IF/ICC	<b>Positive Controls:</b> IF/ICC : Jurkat cells, A549 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).

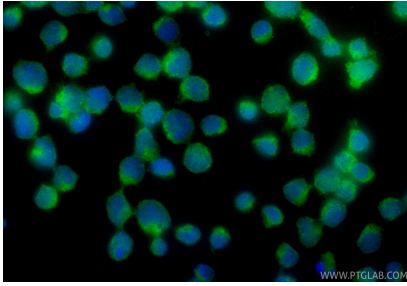
## Storage

**Storage:**  
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 50% glycerol, 0.05% Proclin300, 0.5% BSA, pH7.3  
**Aliquoting is unnecessary for -20°C storage**

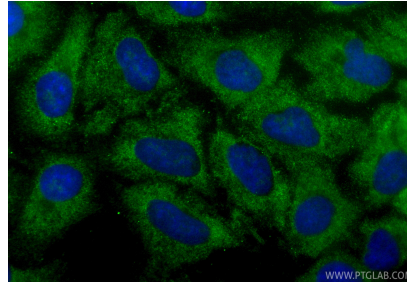
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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## Selected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



Immunofluorescent analysis of (4% PFA) fixed Jurkat cells using CoraLite® Plus 488 RAP1GAP antibody (CL488-86011, Clone: 250422B8 ) at dilution of 1:200.



Immunofluorescent analysis of (-20°C Methanol) fixed A549 cells using CoraLite® Plus 488 RAP1GAP antibody (CL488-86011, Clone: 250422B8 ) at dilution of 1:200.