

For Research Use Only

RAP1GAP Recombinant antibody

Catalog Number: 86011-1-RR



Basic Information

Catalog Number: 86011-1-RR	GenBank Accession Number: BC054490	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 5909	CloneNo.: 25042288
Source: Rabbit	UNIPROT ID: P47736	Recommended Dilutions: IF/ICC: 1:200-1:800
Isotype: IgG	Full Name: RAP1 GTPase activating protein	
Immunogen Catalog Number: AG5576	Calculated MW: 73 kDa	

Applications

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

Background Information

Rap1 GTPase-activating protein (Rap1GAP) is an important tumor suppressor. Rap1GAP was associated with the AMPK and NF-κB signaling pathways and that Rap1GAP inhibited AMPK/SIRT1 and activated the NF-κB signaling pathway in model animals. Rap1GAP was verified to regulate the AMPK SIRT1/NF-κB 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

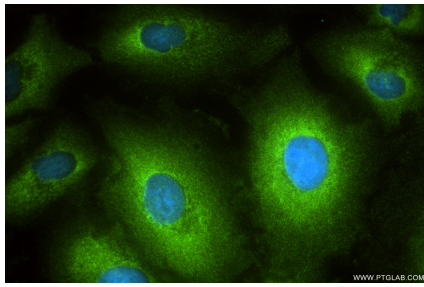
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

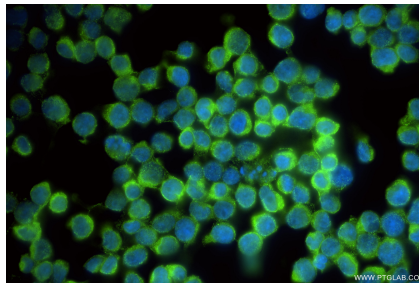
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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Selected Validation Data



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).