

For Research Use Only

CoraLite® Plus 488-conjugated RAP1GAP Recombinant monoclonal antibody

Catalog Number: CL488-86011



Basic Information

Catalog Number:	GenBank Accession Number:	Purification Method:
CL488-86011	BC054490	Protein A purification
Source:	GenID (NCBI):	CloneNo.:
Rabbit	5909	250422B8
Isotype:	UNIPROT ID:	Recommended Dilutions:
IgG	P47736	IF/ICC: 1:50-1:500
Immunogen Catalog Number:	Full Name:	Excitation/Emission maxima
AG5576	RAP1 GTPase activating protein	wavelengths:
	Calculated MW:	493 nm / 522 nm
	73 kDa	

Applications

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

Background Information

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

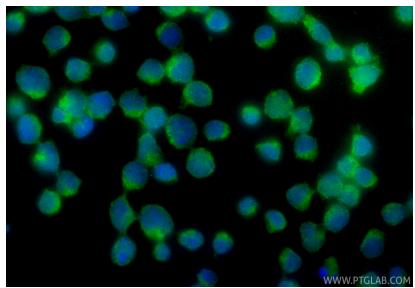
T: 4006900926

E: Proteintech-CN@ptglab.com

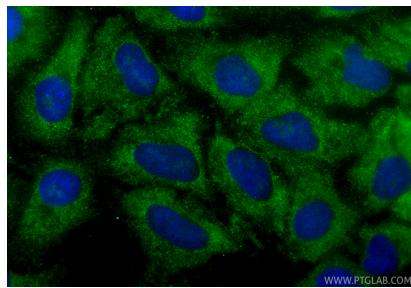
W: ptgcn.com

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Selected Validation Data



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



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