

For Research Use Only

RAP1GAP Recombinant antibody

Catalog Number: 86011-2-RR



Basic Information

Catalog Number: 86011-2-RR	GenBank Accession Number: BC054490	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 5909	CloneNo.: 250422E11
Source: Rabbit	UNIPROT ID: P47736	Recommended Dilutions: WB: 1:5000-1:50000
Isotype: IgG	Full Name: RAP1 GTPase activating protein	
Immunogen Catalog Number: AG5576	Calculated MW: 73 kDa	
	Observed MW: 85-95 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : Jurkat cells, HeLa cells, SH-SY5Y cells, K-562 cells, mouse brain tissue, rat brain tissue
Species Specificity: human, mouse, rat	

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

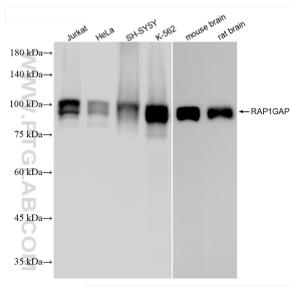
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86011-2-RR (RAP1GAP antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.