

For Research Use Only

RAP1GAP Recombinant antibody, PBS Only

Catalog Number: 86011-2-PBS



Basic Information

Catalog Number: 86011-2-PBS	GenBank Accession Number: BC054490	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 5909	CloneNo.: 250422E11
Source: Rabbit	UNIPROT ID: P47736	
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, Indirect ELISA

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- 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

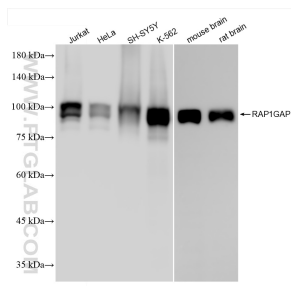
Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

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)
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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. This data was developed using the same antibody clone with 86011-2-PBS in a different storage buffer formulation.