

For Research Use Only

RAP1GAP Recombinant antibody

Catalog Number: 86011-2-RR



Basic Information

Catalog Number:

86011-2-RR

Concentration:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG5576

GenBank Accession Number:

BC054490

GeneID (NCBI):

5909

UNIPROT ID:

P47736

Full Name:

RAP1 GTPase activating protein

Calculated MW:

73 kDa

Observed MW:

85-95 kDa

Purification Method:

Protein A purification

CloneNo.:

250422E11

Recommended Dilutions:

WB: 1:5000-1:50000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse, rat

Positive Controls:

WB : Jurkat cells, HeLa cells, SH-SY5Y cells, K-562 cells, mouse brain tissue, rat brain tissue

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

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

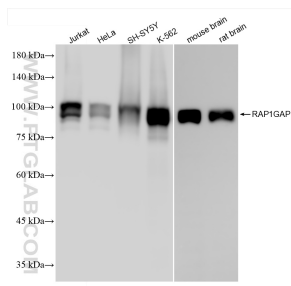
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

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.