

For Research Use Only

AMPK Gamma 1 Recombinant monoclonal antibody

Catalog Number: 88030-2-RR



Basic Information

Catalog Number: 88030-2-RR	GenBank Accession Number: BC000358	Purification Method: Protein A purification
Source: Rabbit	GeneID (NCBI): 5571	CloneNo.: 260133A3
Isotype: IgG	UNIPROT ID: P54619	Recommended Dilutions: WB: 1:2000-1:10000
Immunogen Catalog Number: AG0302	Full Name: protein kinase, AMP-activated, gamma 1 non-catalytic subunit	
	Calculated MW: 38 kDa	
	Observed MW: 38 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : HepG2 cells, Jurkat cells, K-562 cells
Species Specificity: human	

Background Information

Protein kinase, AMP-activated, gamma 1 non-catalytic subunit (PRKAG1, synonyms: AMPKG, MGC8666) is a regulatory subunit of the AMP-activated protein kinase (AMPK). AMPK is a heterotrimer consisting of a catalytic subunit, and non-catalytic and subunits. AMPK is an important energy-sensing enzyme that monitors cellular energy status. In response to cellular metabolic stresses, AMPK is activated, and thus phosphorylates and inactivates acetyl-CoA carboxylase (ACC) and beta-hydroxy beta-methylglutaryl-CoA reductase (HMGCR), key enzymes involved in regulating de novo biosynthesis of fatty acid and cholesterol. AMPK gamma 1 is one of the gamma regulatory subunits of AMPK.

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:

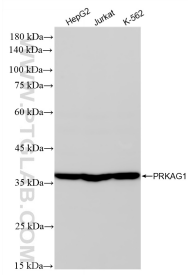
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 88030-2-RR (PRKAG1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.