Product Name: AMPK alpha Rabbit Monoclonal Antibody
Catalog #: AMRe85224
For research use only.

Summary

Description	Recombinant rabbit monoclonal antibody
Host	Rabbit
Application	WB,IP
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Concentration	
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Purified antibody in TBS with 0.05% sodium azide,0.05%protective protein and 50% glycerol.
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:500-1:1000,IP 1:10-1:20
Molecular Weight	Calculated MW: 62 kDa; Observed MW: 62 kDa

Antigen Information

Gene Name	AMPK alpha
Alternative Names	PRKAA2; AMPK; AMPK2; 5'-AMP-activated protein kinase catalytic subunit alpha-2; AMPK subunit alpha-2; Acetyl-CoA carboxylase kinase; ACACA kinase; Hydroxymethylglutaryl-CoA reductase kinase; HMGCR kinase
Gene ID	5563.0
SwissProt ID	P54646
Immunogen	Recombinant protein of human AMPK alpha 2

Background

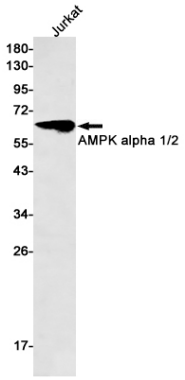
AMP-activated protein kinase (AMPK) is highly conserved from yeast to plants and animals and plays a key role in the

regulation of energy homeostasis. AMPK is a heterotrimeric complex composed of a catalytic α subunit and regulatory β and γ subunits, each of which is encoded by two or three distinct genes (α1, 2; β1, 2; γ1, 2, 3). The kinase is activated by an elevated AMP/ATP ratio due to cellular and environmental stress, such as heat shock, hypoxia, and ischemia.

Research Area

Autophagy,Wnt signaling pathway,PI3K-Akt signaling pathway

Image Data



Western blot analysis of AMPK alpha 1/2 in Jurkat lysates using AMPK alpha antibody.