

Anti-AMPK alpha Rabbit mAb

Purified Rabbit Monoclonal Antibody

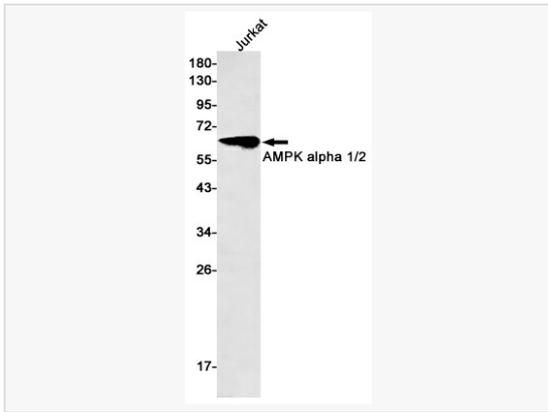
Catalog # R011752

Product Information

Application	WB, IP, ELISA
Reactivity	Human
Dilution	WB 1:500~1:1,000; IP 1:20
Host	Rabbit
Clonality	Monoclonal
Clone No.	91M60L29
Isotype	IgG
Label	Unconjugated
Immunogen	Recombinant protein of human AMPK alpha 2
Format	Buffer System: 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA Purification: Affinity Purified.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-AMPK alpha antibody [91M60L29] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	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.
Calculated MW	Calculated MW: 62 kDa; Observed MW: 62 kDa
Uniprot ID	P54646
Gene ID	5563
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 ($\alpha 1, 2$; $\beta 1, 2$; $\gamma 1, 2, 3$). The kinase is activated by an elevated AMP/ATP ratio due to cellular and environmental stress, such as heat shock, hypoxia, and ischemia.



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