



Phospho-AMPK alpha 2 (Thr172) Rabbit mAb

Catalog No	BYab-33113
Isotype	IgG
Reactivity	Human,Mouse,Rat
Applications	WB
Gene Name	PRKAA2
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
Research Field	Neuroscience
Product Categories	Primary antibody
Host	Rabbit
Molecular Weight	Calculated MW: 62 kDa
Clonality	Monoclonal Antibody
Clonality No.	R03-6K2
Dilution	WB: 1/500-1/1000
Immunogen	A synthesized peptide derived from human AMPK alpha
Purification	Affinity Chromatography
Conjugation	Unconjugated
Modification	Phosphorylated
Form	Liquid
Buffer System	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1 mg/ml
Purity	≥90%
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
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

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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.

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images