

## AMPK alpha 2 Antibody (YA623)

Cat. No.:	HY-P80540
Synonyms:	AMPK alpha 2 Antibody (YA623) is a non-conjugated and Rabbit originated monoclonal antibody about 62 kDa, targeting to AMPK alpha 2. It can be used for WB,IP assays with tag free, in the background of Human, Rat.
Host:	Rabbit
Reactivity:	Human, Rat
Conjugation:	Non-conjugated
SwissProt ID:	P54646
Research Field:	Neuroscience
Molecular Weight:	Predicted band size: 62 kDa

### PROPERTIES

Formulation	Supplied in 50 mM Tris-Glycine (pH 7.4), 0.15 M NaCl, 40% Glycerol and 0.05% BSA. Preservative: 0.01% Sodium azide	
Purity	affinity purified	
Storage & Stability	Stored at -20°C for 1 year. Avoid repeated freeze / thaw cycles.	
Appearance	Liquid	
Application & Dilution Ratio	Application	Dilution Ratio
	WB	1:500-1:1,000
	IP	1:20
Shipping	Shipping with blue ice.	

### DESCRIPTION

Background	<p>AMPK alpha 2: The protein encoded by this gene is a catalytic subunit of the AMP-activated protein kinase (AMPK). AMPK is a heterotrimer consisting of an alpha catalytic subunit, and non-catalytic beta and gamma 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. Studies of the mouse counterpart suggest that this catalytic subunit may control whole-body insulin sensitivity and is necessary for maintaining myocardial energy homeostasis during ischemia. [provided by RefSeq, Jul 2008]</p>
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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