



Swiss-Prot No.:	P54646
Storage/Stability:	Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.
Immunogen:	A synthesized peptide derived from human AMPK alpha 2
Purification:	Affinity Chromatography
Reactivity:	Human, Mouse, Rat
Other Names:	ACACA kinase; Acetyl-CoA carboxylase kinase; AMPK subunit alpha-2; AMPK2; AMPKalpha2; HMGCR kinase; Hydroxymethylglutaryl-CoA reductase kinase; PRKAA; PRKAA2;
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.
Cellular localization:	Cytoplasm, Nucleus
Source:	Rabbit

Antibody type:	Polyclonal antibody
Isotype:	Rabbit IgG
Molecular Weight:	64kDa
Preservative:	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Recommended Dilutions:	WB 1:1000~1:2000