

Anti-Phospho-AMPK α 1/2 (Thr183/172) Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse,Rat,Monkey,Pig
Conjugation:	Unconjugated
Molecular Weight:	Actual: 63 kDa.
Purification:	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Applications

Application:	ELISA,ICC/IF,IHC-P,WB
Recommended	ICC/IF: 1:50-200; WB: 1:500-2000; IHC-P: 1:100-300; ELISA: 1:40000

Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	A synthesized phosphopeptide: human AMPK alpha around the phosphorylation site of Thr172. AA range:140-189
Antigen Species:	human
Synonyms:	p-AMPK α 1/2 (T183/172);AMPK α 1/2 (p-T183/172);AMPK α 1/2 (p-Thr183/172);p-AMPK α 1/2 (Thr183/172)

Research Background

protein kinase AMP-activated catalytic subunit alpha 1(PRKAA1) Homo sapiens The protein encoded by this gene belongs to the ser/thr protein kinase family. It is the catalytic subunit of the 5'-prime-AMP-activated protein kinase (AMPK). AMPK is a cellular energy sensor conserved in all eukaryotic cells. The kinase activity of AMPK is activated by the stimuli that increase the cellular AMP/ATP ratio. AMPK regulates the activities of a number of key metabolic enzymes through phosphorylation. It protects cells from stresses that cause ATP depletion by switching off ATP-consuming biosynthetic pathways. Alternatively spliced transcript variants encoding distinct isoforms have been observed. [provided by RefSeq, Jul 2008],

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