
Product Name: Phospho-AMPK alpha 1 (Thr183)/AMPK alpha 2 (Thr172) Rabbit Monoclonal Antibody**Catalog #: AMRe87121**

For research use only.

Summary

Description	Recombinant rabbit monoclonal antibody
Host	Rabbit
Application	WB
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Phosphorylated
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Concentration	0.5mg/ml. The concentration of this product may be batch-dependent.
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% protective protein. Stable for 12 months from date of receipt.
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:1000-1:5000
Molecular Weight	Calculated MW:64,62 kDa; Observed MW:62 kDa

Antigen Information

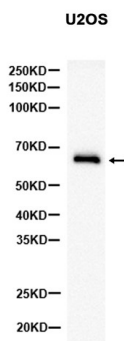
Gene Name	Phospho-AMPK alpha 1 (Thr183)/AMPK alpha 2
Alternative Names	AMPK; AMPKa1
Gene ID	5562
SwissProt ID	P54646
Immunogen	A synthetic phosphopeptide corresponding to residues surrounding Thr183/Thr172 of human AMPK alpha 1/AMPK alpha 2

Background

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]

Research Area

Image Data



Western blot analysis of extracts from U2OS cells using Phospho-AMPK alpha 1 (Thr183)/AMPK alpha 2 (Thr172) Rabbit Monoclonal Antibody at 1:1000.