

Recombinant Phospho-AMPK α 1, 2 (Thr183, Thr172) Monoclonal Antibody

catalog number: AN301152L

Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

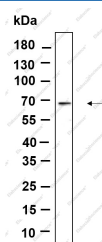
Reactivity	Human;Mouse;Rat
Immunogen	A synthetic peptide corresponding to residues around (Thr183, Thr172) of Human Phospho-AMPK α 1, 2
Host	Rabbit
Isotype	Rabbit IgG
Clone	C170775
Purification	Protein A
Buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

Applications

Recommended Dilution

WB	1:2000-1:10000
IF	1:200-1:1000
ELISA	1:5000-1:20000

Data



Western Blot with Recombinant Phospho-AMPK α 1, 2 (Thr183, Thr172) Monoclonal Antibody at dilution of 1:1000 dilution. Lane A: C6.

Observed-MW:62 kDa

Calculated-MW:62 kDa,64 kDa

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	Ice bag

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.

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