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# Recombinant Phospho-AMPK $\alpha 1, 2$ (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 α1, 2

 Host
 Rabbit

 Isotype
 IgG,k

 Clone
 B911

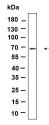
 Purification
 Protein A

Buffer PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

## Applications Recommended Dilution

**WB** 1:2000-1:10000

#### Data



Western Blot with Recombinant Phospho-AMPK  $\alpha$ 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.

## For Research Use Only

 Toll-free: 1-888-852-8623
 Tel: 1-832-243-6086
 Fax: 1-832-243-6017

 Web: www.elabscience.com
 Email: techsupport@elabscience.com
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