

# AMPK alpha1 Monoclonal Antibody

catalog number: E-AB-22125

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

## Description

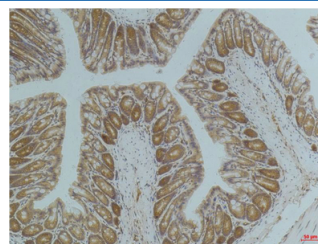
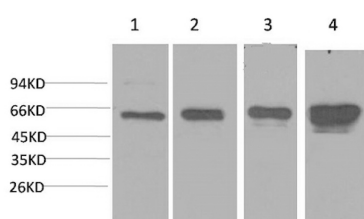
<b>Reactivity</b>	Human;Mouse;Rat
<b>Immunogen</b>	Synthetic Peptide
<b>Host</b>	Mouse
<b>Isotype</b>	IgG
<b>Clone</b>	6B6
<b>Purification</b>	Protein A purification
<b>Conjugation</b>	Unconjugated
<b>buffer</b>	Phosphate buffered solution, pH 7.4, containing 0.05% stabilizer, 0.5% protein protectant and 50% glycerol.

## Applications

## Recommended Dilution

<b>WB</b>	1:1000-2000
<b>IHC</b>	1:50-100

## Data



Western Blot analysis of 1) HeLa, 2) 293T, 3) 3T3, 4) PC-12 cells using AMPK alpha1 Monoclonal Antibody at dilution of 1:2000. Immunohistochemistry of paraffin-embedded Mouse colon tissue using AMPK alpha1 Monoclonal Antibody at dilution of 1:200.

**Observed-MV:63 kDa**

## Preparation & Storage

<b>Storage</b>	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
<b>Shipping</b>	The product is shipped with ice pack,upon receipt,store it immediately at the temperature recommended.

## Background

Responsible for the regulation of fatty acid synthesis by phosphorylation of acetyl-CoA carboxylase. It also regulates cholesterol synthesis via phosphorylation and inactivation of hormone-sensitive lipase and hydroxymethylglutaryl-CoA reductase. Appears to act as a metabolic stress-sensing protein kinase switching off biosynthetic pathways when cellular ATP levels are depleted and when 5'-AMP rises in response to fuel limitation and/or hypoxia. This is a catalytic subunit.

## For Research Use Only