

AMPK alpha1 Monoclonal Antibody

Catalog Number:E-AB-22125



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

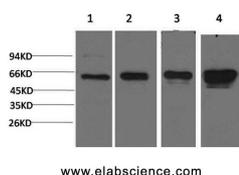
Description

Reactivity	Human,Mouse,Rat
Immunogen	Synthetic Peptide
Host	Mouse
Isotype	IgG
Clone	Clone:6B6
Purification	Protein A purification
Conjugation	Unconjugated
Formulation	PBS with 0.02% sodium azide, 0.5% protective protein and 50% glycerol, pH7.4

Applications Recommended Dilution

WB	1:1000-2000
IHC	1:50-100

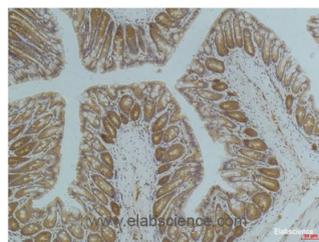
Data



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

Observed Mw:63kDa



Immunohistochemistry of paraffin-embedded Mouse colon tissue using AMPK alpha1 Monoclonal Antibody at dilution of 1:200.

Preparation & Storage

Storage Store at -20°C. Avoid freeze / thaw cycles.

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

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