

AMPK alpha1 Monoclonal Antibody

catalog number: E-AB-22125

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

Description

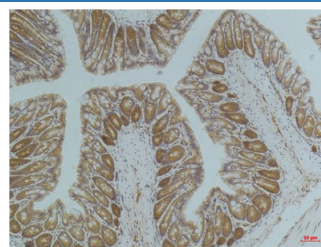
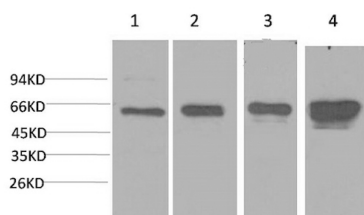
Reactivity	Human;Mouse;Rat
Immunogen	Synthetic Peptide
Host	Mouse
Isotype	IgG
Clone	6B6
Purification	Protein A purification
Conjugation	Unconjugated
Buffer	Phosphate buffered solution, pH 7.4, containing 0.05% stabilizer, 0.5% protein protectant and 50% glycerol.

Applications

Recommended Dilution

WB	1:1000-2000
IHC	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-MW:63 kDa

Preparation & Storage

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

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