



Application: IF,IHC,WB

Properties

Stability & Storage: Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: Peptide sequence around phosphorylation site of serine 496 (S-G- S(P)-V-S) derived from Human AMPKα1

Antigen Species: human

Uniprot ID: Q13131

Synonyms: AMPK α1 (p-S496);AMPK α1 (p-Ser496);p-AMPK α1 (Ser496);p-AMPK α1 (S496)

Research 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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