

AMPK alpha-2 Antibody

Subcategory: Rabbit Polyclonal Antibody

Cat. No.: 252048

Unit: 0.1 mg

Description:

5'-AMP-activated protein kinase catalytic subunit alpha-2 (AMPK alpha-2 Antibody) is responsible for the regulation of fatty acid synthesis by phosphorylation of acetyl-CoA carboxylase. AMPK alpha-2 regulates cholesterol synthesis via phosphorylation and inactivation of hormone-sensitive lipase and hydroxymethylglutaryl-CoA reductase. AMPK alpha-2 acts 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.

Isotype: Rabbit Ig

Applications: E, WB

Species Reactivity: H, M, R

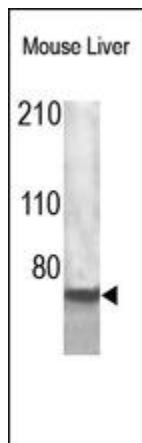
Format: Each vial contains 0.1 mg IgG in 0.1 ml (1 mg/ml) of PBS pH7.4 with 0.09% sodium azide. Antibody was purified by Protein-G affinity chromatography.

Alternate Names: 5'-AMP-activated protein kinase catalytic subunit alpha-2; AMPK subunit alpha-2; PRKAA2; AMPK; AMPK2

Accession No.: P54646

Antigen: KLH-conjugated synthetic peptide encompassing a sequence within the center region of human AMPK alpha-2.

Application Notes: E: 1:500-1:1,000; WB: 1:100-1:500



The AMPK alpha-2 Antibody is used in Western blot to detect AMPK alpha-2 in mouse liver lysates.

Storage: Store at -20°C. Minimize freeze-thaw cycles. Product is guaranteed one year from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.