A21813

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AMPKα1 Rabbit pAb

Catalog No.: A21813 2 Publications

Basic Information

Observed MW
64kDa

Calculated MW
64kDa

Category
Polyclonal Antibody

Applications
WB,ELISA

Cross-Reactivity
Mouse

Background

The protein encoded by this gene belongs to the ser/thr protein kinase family. It is the catalytic subunit of the 5'-prime-AMP-activated protein kinase (AMPK). AMPK is a cellular energy sensor conserved in all eukaryotic cells. The kinase activity of AMPK is activated by the stimuli that increase the cellular AMP/ATP ratio. AMPK regulates the activities of a number of key metabolic enzymes through phosphorylation. It protects cells from stresses that cause ATP depletion by switching off ATP-consuming biosynthetic pathways. Alternatively spliced transcript variants encoding distinct isoforms have been observed.

Recommended Dilutions

WB	1:500 - 1:1000
ELISA	Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID
5562

Swiss Prot
Q13131

Immunogen
Recombinant protein (or fragment).This information is considered to be commercially sensitive.

Synonyms
AMPK; AMPKa1; AMPK alpha 1; AMPKα1

Contact

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Product Information

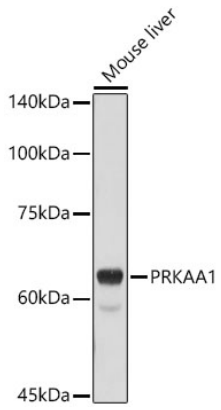
Source

Isotype
IgG

Purification
Affinity purification

Storage
Store at -20℃

Validation Data



Western blot analysis of lysates from Mouse liver, using AMPKα1 Rabbit pAb (A21813) at 1:500 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 5s.

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