

A18855

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AMPK α 1 Rabbit pAb

Catalog No.: A18855

1 Publications

Basic Information

Observed MW

64kDa

Calculated MW

64kDa

Category

Polyclonal Antibody

Applications

WB, ELISA

Cross-Reactivity

Human, 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 - 1:2000

ELISA Recommended starting concentration is 1 μ g/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; AMPK α 1; AMPK alpha 1; AMPK α 1

Contact



www.abclonal.com

Product Information

Source

Rabbit

Isotype

IgG

Purification

Affinity purification

Storage

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

Buffer: PBS with 0.01% thimerosal, 50% glycerol, pH 7.3.