

AMPK α 1 Rabbit pAb

Catalog No.: A21563

Basic Information

Observed MW

Refer to figures

Calculated MW

64kDa

Category

Primary antibody

Applications

ELISA, WB, IF/ICC

Cross-Reactivity

Human

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

IF/ICC 1:50 - 1:200

Immunogen Information

Gene ID

5562

Swiss Prot

Q13131

Immunogen

A synthetic peptide corresponding to a sequence within amino acids 421-520 of human AMPK α 1. (NP_006242.5).

Synonyms

AMPK; AMPK α 1; AMPK alpha 1; AMPK α 1

Contact

☎ | 400-999-6126

✉ | cn.market@abclonal.com.cn

🌐 | www.abclonal.com.cn

Product Information

Source

Rabbit

Isotype

IgG

Purification

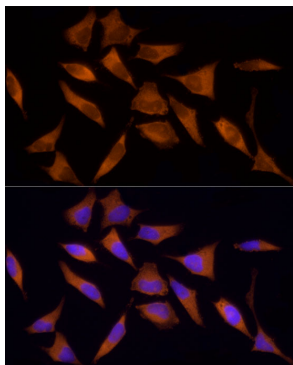
Affinity purification

Storage

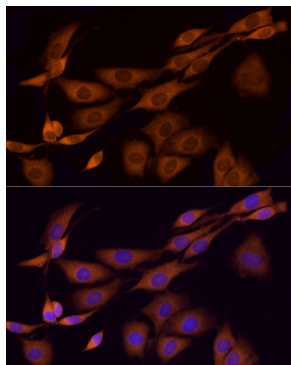
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300, 50% glycerol, pH7.3.

Validation Data



Immunofluorescence analysis of HeLa cells using AMPK α 1 Rabbit pAb (A21563) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of PC-12 cells using AMPK α 1 Rabbit pAb (A21563) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.