

Phospho-AMPK α 1-S496 Rabbit pAb

Catalog No.: AP0619 **1 Publications**

Basic Information

Observed MW

64kDa

Calculated MW

64kDa

Category

Primary antibody

Applications

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 - 1:1000
IF/ICC	1:50 - 1:100

Immunogen Information

Gene ID

5562

Swiss Prot

Q13131

Immunogen

A phospho specific peptide corresponding to residues surrounding S496 of human PRKAA1.

Synonyms

AMPK; AMPK α 1; AMPK alpha 1; Phospho-AMPK α 1-S496

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

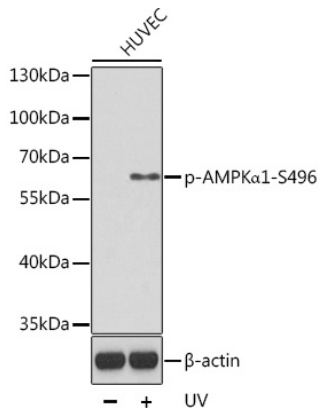
Affinity purification

Storage

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

Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.

Validation Data



Western blot analysis of extracts of Untreated and treated HUVEC cell lines, using Phospho-AMPKα1-S496 Antibody (AP0619).

Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

Blocking buffer: 3% BSA.