

A11914

Leader in Biomolecular Solutions for Life Science



AMPK α 1 Rabbit pAb

Catalog No.: A11914

Basic Information

Observed MW

64kDa

Calculated MW

64kDa

Category

Polyclonal Antibody

Applications

WB,IP

Cross-Reactivity

Human,Mouse,Rat,Hamster,Monkey

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
IP	1:20 - 1:50

Immunogen Information

Gene ID	Swiss Prot
5562	Q13131

Immunogen

Recombinant protein of human PRKAA1

Synonyms

AMPK; AMPKa1; AMPK alpha 1; AMPK α 1

Contact

 www.abclonal.com

Product Information

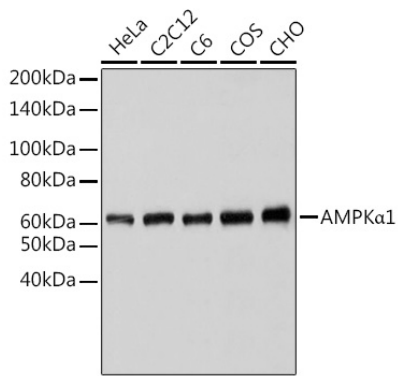
Source	Isotype	Purification
Rabbit	IgG	Affinity purification

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 various lysates using AMPKα1 Rabbit pAb (A11914).
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.