AMPKAlpha1 Rabbit Polyclonal Antibody

CAB16656

Product Information

Size:

20uL, 50uL, 100uL, 200uL

Observed MW:

64kDa/65kDa

Calculated MW:

64kDa/65kDa

Applications:

WB IHC

Reactivity:

Human, Mouse, Rat

Antibody Information

Recommended dilutions:
WB 1:500 - 1:2000 IHC 1:50 - 1:200

Source:
Rabbit

Isotype:
IgG

Purification:
Affinity purification

Protein 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.

Immunogen information

Gene ID:
5562

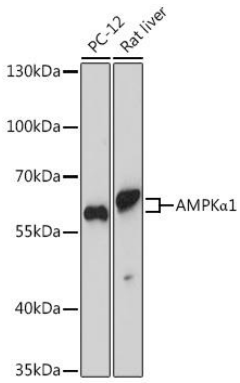
Uniprot
Q13131

Synonyms:
PRKAA1; AMPK; AMPKa1

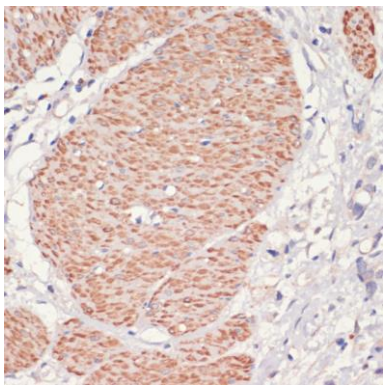
Immunogen:
Recombinant protein of human PRKAA1

Storage:
Store at -20℃. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

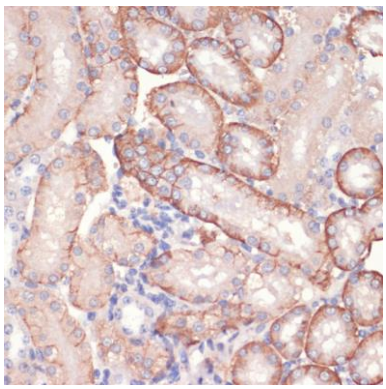
Product Images



Western blot analysis of extracts of various cell lines, using AMPKalpha1 antibody (CAB16656) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (CABM00020). Exposure time: 180s.



Immunohistochemistry of paraffin-embedded human smooth muscle using AMPK alpha 1 antibody (CAB16656) at dilution of 1:200 (40x lens).



Immunohistochemistry of paraffin-embedded mouse kidney using AMPK alpha 1 antibody (CAB16656) at dilution of 1:200 (40x lens).

