

**AMPK α 1 polyclonal antibody**

Catalog: BS80348

Host: Rabbit

Reactivity: Human, Mouse, Rat

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.

Product:

1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

Refer to figures

Swiss-Prot:

Q13131

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum

by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

IF/ICC, 1:50 - 1:20

Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Modification:

Unmodification

DATA:

Immunofluorescence analysis of HeLa cells using AMPK α 1 Rabbit pAb at dilution of 1:150 . Blue: DAPI for nuclear staining.

Immunofluorescence analysis of NIH/3T3 cells using AMPK α 1 Rabbit pAb at dilution of 1:150 . Blue: DAPI for nuclear staining.

Immunofluorescence analysis of PC-12 cells using AMPK α 1 Rabbit pAb at dilution of 1:150 . Blue: DAPI for nuclear staining.

Note:

For research use only, not for use in diagnostic procedure.

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