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Phospho-PRKAA1/PRKAA2-T183/T172

Reactivity: Human Mouse Rat

Tested applications:IHC

Recommended Dilution:IHC 1:50 - 1:100

Calculated MW:63kDa

Observed MW: Refer to Figures

Immunogen:

A phospho specific peptide corresponding to residues surrounding T183/T172 of human PRKAA1

Storage Buffer:

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

Concentration:

bch

Synonym:

AMPK; AMPKa1;

Catalog #:AP0432

Antibody Type:

Polyclonal Antibody

Species: Rabbit

Gene ID:5562/5563

Isotype: IgG

Swiss Prot:Q13131

Purity: Affinity purification

For research use only.

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.

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