

CABP0432

Product Information

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|---------------------|----------|----------------------|-----------|--------------------|-----------------|
| Product SKU: | CABP0432 | Gene ID: | 5562/5563 | Size: | 20uL, 100uL |
| Clone No: | - | Host Species: | Rabbit | Reactivity: | Human,Mouse,Rat |

Additional Information

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| Observed MW: | 64kDa | Conjugate: | Unconjugated |
| Calculated MW: | 64kDa/65kDa/62kDa | Isotype: | IgG |

Immunogen Information

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 Dilution: WB,1:500 - 1:1000

Synonyms: AMPKa1/AMPKa2; Phospho-AMPKa1-T183/AMPKa2-T172

Purification Method: Affinity purification

Immunogen: A synthetic phosphorylated peptide around T183 of human PRKAA1 (NP_006242.5).

Storage: Store at -20°C. Avoid freeze / thaw cycles.Buffer: PBS with 0.01% thimerosal,50% glycerol,pH7.3.