

CABP1171

Product Information

Product SKU: CABP1171	Gene ID: 5562/5563	Size: 20uL, 100uL
Clone No: -	Host Species: Rabbit	Reactivity: Human,Mouse,Rat

Additional Information

Observed MW: 62kDa	Conjugate: -
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 - 1:2000

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

Purification Method: Affinity purification

Immunogen: A synthetic phosphorylated peptide around T183 of human AMPKa1/AMPKa2PRKAA1 (NP_006242.5).

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