

CABP1441

Product Information

Product SKU:	CABP1441	Gene ID:	5562/5563	Size:	20uL, 100uL
Clone No:	ARC62278	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,1:1000 - 1:5000

Synonyms: AMPKa1/AMPKa2; Phospho-AMPK α 1-T183+AMPK α 2-T172

Purification Method: Affinity purification

Immunogen: A synthetic phosphorylated peptide around T183/T172 of human PRKAA1/PRKAA2 (NP_006242.5/NP_006243.2).

Storage: Store at -20°C. Avoid freeze / thaw cycles.Buffer: PBS with 0.05% proclin300,0.05% BSA,50% glycerol,pH7.3.