

## CABP1345

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### Product Information

<b>Product SKU:</b>	CABP1345	<b>Gene ID:</b>	5562/5563	<b>Size:</b>	20uL, 100uL
<b>Clone No:</b>	ARC53386	<b>Host Species:</b>	Rabbit	<b>Reactivity:</b>	Mouse

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### Additional Information

<b>Observed MW:</b>	62kDa	<b>Conjugate:</b>	-
<b>Calculated MW:</b>	64kDa/65kDa/62kDa	<b>Isotype:</b>	IgG

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### 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 AMPKa1 (NP\_006242.5).

**Storage:** Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.05% proclin300, 0.05% BSA, 50% glycerol, pH 7.3.