

## CAB21813

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### Product Information

<b>Product SKU:</b> CAB21813	<b>Gene ID:</b> 5562	<b>Size:</b> 20uL, 100uL
<b>Clone No:</b> -	<b>Host Species:</b> IgG	<b>Reactivity:</b> Mouse

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### Additional Information

<b>Observed MW:</b> 64kDa	<b>Conjugate:</b> Unconjugated
<b>Calculated MW:</b> 64kDa	<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, 1:100 - 1:500

**Synonyms:** AMPK; AMPK $\alpha$ 1; AMPK alpha 1; AMPK $\alpha$ 1

**Purification Method:** Affinity purification

**Immunogen:** Recombinant fusion protein containing a sequence corresponding to amino acids 100-200 of human AMPK $\alpha$ 1 (NP\_006242.5).

**Storage:** Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.01% thimerosal, 50% glycerol, pH 7.3.