

Phospho-AMPK alpha 2 (Thr172) Antibody

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| Cat. No.: | HY-P80791 |
| Synonyms: | Phospho-AMPK alpha 2 (Thr172) Antibody is a non-conjugated and Rabbit originated polyclonal antibody about 62 kDa, targeting to Phospho-AMPK alpha 2 (Thr172). It can be used for WB assays with tag free, in the background of Human, Mouse, Rat. |
| Host: | Rabbit |
| Reactivity: | Human,Mouse,Rat |
| Conjugation: | Non-conjugated |
| SwissProt ID: | P54646 |
| Research Field: | Neuroscience |
| Molecular Weight: | Predicted band size: 62 kDa |

PROPERTIES

| Formulation | Supplied in phosphate buffered saline (pH 7.4), 150 mM NaCl and 50% glycerol. Preservative: 0.02% sodium azide | | | | |
|------------------------------|--|-------------|----------------|----|---------------|
| Purity | affinity purified | | | | |
| Storage & Stability | Stored at -20°C. Avoid repeated freeze / thaw cycles. | | | | |
| Appearance | Liquid | | | | |
| Application & Dilution Ratio | <table> <thead> <tr> <th>Application</th> <th>Dilution Ratio</th> </tr> </thead> <tbody> <tr> <td>WB</td> <td>1:500-1:1,000</td> </tr> </tbody> </table> | Application | Dilution Ratio | WB | 1:500-1:1,000 |
| Application | Dilution Ratio | | | | |
| WB | 1:500-1:1,000 | | | | |
| Shipping | Shipping with blue ice. | | | | |

DESCRIPTION

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| Background | <p>AMPK alpha 2: The protein encoded by this gene is a catalytic subunit of the AMP-activated protein kinase (AMPK). AMPK is a heterotrimer consisting of an alpha catalytic subunit, and non-catalytic beta and gamma subunits. AMPK is an important energy-sensing enzyme that monitors cellular energy status. In response to cellular metabolic stresses, AMPK is activated, and thus phosphorylates and inactivates acetyl-CoA carboxylase (ACC) and beta-hydroxy beta-methylglutaryl-CoA reductase (HMGCR), key enzymes involved in regulating de novo biosynthesis of fatty acid and cholesterol. Studies of the mouse counterpart suggest that this catalytic subunit may control whole-body insulin sensitivity and is necessary for maintaining myocardial energy homeostasis during ischemia. [provided by RefSeq, Jul 2008]</p> |
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Caution: Product has not been fully validated for medical applications. For research use only.

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