

# 兔抗 PRKAA1/PRKAA2(Phospho-Thr183/Thr172)多 克隆抗体

中文名称：兔抗 PRKAA1/PRKAA2(Phospho-Thr183/Thr172)多克隆抗体

英文名称：Anti-PRKAA1/PRKAA2(Phospho-Thr183/Thr172) rabbit polyclonal antibody

别名：AMPK; AMPKa1

相关类别：一抗

储存：冷冻（-20℃）避光

宿主：Rabbit

抗原：PRKAA1/PRKAA2(Phospho-Thr183/Thr172)

反应种属：Human, Mouse, Rat

标记物：Unconjugate

克隆类型：rabbit polyclonal

## 技术规格

### Background:

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 activ

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|                                 | ated, 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. |
| <b>Applications:</b>            | WB, IHC   |
| <b>Name of antibody:</b>        | PRKAA1/PRKAA2(Phospho-Thr183/Thr172)  |
| <b>Immunogen:</b>               | Peptide sequence around phosphorylation site of threonine 183/threonine172(L-R-T(p)-S-C) derived from Human AMPK $\alpha$ 1/AMPK $\alpha$ 2.  |
| <b>Full name:</b>               | protein kinase AMP-activated catalytic subunit alpha 1/ protein kinase AMP-activated catalytic subunit alpha 2  |
| <b>Synonyms:</b>                | AMPK; AMPK $\alpha$ 1; AMPK2; PRKAA; AMPK $\alpha$ 2  |
| <b>SwissProt:</b>               | Q13131/P54646   |
| <b>IHC positive control:</b>    | Human lung carcinoma tissue   |
| <b>IHC Recommend dilution:</b>  | 50-100  |
| <b>WB Predicted band size:</b>  | 64 kDa  |
| <b>WB Positive control:</b>     | C2C12 cells lysates treated with serum or calf intestinal phosphatase(CIP)  |
| <b>WB Recommended dilution:</b> | 500-1000  |

