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# Phospho-AMPKa1/AMPKa2-T183/T172 Rabbit pAb

货号: **AYP12837**

## 产品信息

反应	Human,Mouse,Rat
宿主	Rabbit
克隆性	Polyclonal
预测反应	<b>WB:</b> Mus musculus , Rattus norvegicus <b>IHC:</b> Rattus norvegicus <b>IF:</b> Rattus norvegicus <b>ELISA:</b> Rattus norvegicus
应用	WB
推荐浓度	<b>WB:</b> 1:500 - 1:2000
理论分子量	64kDa/65kDa/62kDa
实测分子量	62kDa
形式	Liquid
保存条件	Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.01% thiomersal,50% glycerol,pH7.3.
偶联物	Unconjugated
阳性对照	293T,C2C12,C6
细胞定位	apical plasma membrane,cytoplasm,cytosol,nuclear speck,nucleoplasm,nucleus
纯化	Affinity purification

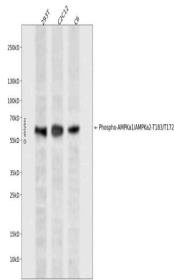
## 抗原信息

抗原信息	A synthetic phosphorylated peptide around T183 of human AMPKa1/AMPKa2PRKAA1 (NP_006242.5).
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## 靶点信息

研究背景	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.
基因ID	5562,5563
基因名	PRKAA1,PRKAA2
Swiss	Q13131 ( <a href="https://www.uniprot.org/uniprotkb/Q13131/entry">https://www.uniprot.org/uniprotkb/Q13131/entry</a> ), P54646 ( <a href="https://www.uniprot.org/uniprotkb/P54646/entry">https://www.uniprot.org/uniprotkb/P54646/entry</a> )
别名	AMPKa1/AMPKa2,Phospho-AMPKa1/AMPKa2-T183/T172 Rabbit pAb,PRKAA1,PRKAA2,Acetyl-CoA carboxylase kinase,Hydroxymethylglutaryl-CoA reductase kinase,Tau-protein kinase PRKAA1,AMPK1,AMPK,AMPK2,PRKAA1/PRKAA2

## 产品验证



Western blot analysis of Phospho-AMPKa1/AMPKa2-T183/T172 expressed in 293T,C2C12,C6 using Phospho-AMPKa1/AMPKa2-T183/T172 Rabbit pAb at 1:1000. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:5000. Lysates/proteins: 30ug per lane. Blocking buffer: 5% non-fat dry milk in TBST. Detection: ECL Enhanced Kit. Exposure time: 120s.

## 实验步骤

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