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Phospho-AMPK alpha 2 (S491) Rabbit mAb

货号: AYM30661

产品信息

反应	Human,Mouse,Rat
宿主	Rabbit
克隆性	Monoclonal
预测反应	
应用	WB
推荐浓度	**WB:** 1:500 - 1:2000
理论分子量	62kDa
实测分子量	62kDa
形式	Liquid
保存条件	Store at -20℃. Avoid freeze / thaw cycles. Buffer: PBS with 0.75% BSA,50% glycerol,pH7.3.
偶联物	Unconjugated
阳性对照	HeLa,293T,HCT116,Mouse heart,Rat liver
细胞定位	Cytoplasm,Nucleus
纯化	Affinity purification

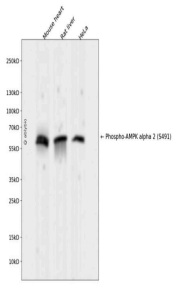
抗原信息

抗原信息	Recombinant fusion protein corresponding to Human Phospho-AMPK alpha 2 (S491).

靶点信息

研究背景	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. A MPK 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 cat alytic subunit may control whole-body insulin sensitivity and is necessary for maintaining myocardial ene rgy homeostasis during ischemia.
基因ID	5563
基因名	PRKAA2
Swiss	P54646 (https://www.uniprot.org/uniprotkb/P54646/entry)
别名	Phospho-AMPK alpha 2 (S491),Phospho-AMPK alpha 2 (S491) Rabbit mAb,PRKAA2,Acetyl-CoA carboxylase kinase,Hydroxymethylglutaryl-CoA reductase kinase,AMPK,AMPK2

产品验证



Western blot analysis of Phospho-AMPK alpha 2 (S491) expressed in Mouse heart,Rat liver,HeLa using Pho spho-AMPK alpha 2 (S491) Rabbit mAb 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 Enh anced Kit. Exposure time: 120s.

实验步骤

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