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AMPK α1/2 (Phospho-Thr183/Thr172) Rabbit mAb

货号: AAY1681

产品信息

反应	Human,Mouse,Rat
宿主	Rabbit
克隆性	Monoclonal
预测反应	
应用	WB IF ELISA
推荐浓度	**WB:** 1:1000-1:3000 **IF:** 1:100-1:800 **ELISA:** 1:5000-1:20000
理论分子量	62kD,64kD
实测分子量	62kD
形式	Liquid
保存条件	Store at -20℃. Avoid freeze / thaw cycles. Buffer: PBS with 0.75% BSA,50% glycerol,pH7.683.
偶联物	Unconjugated
阳性对照	293F,Neuro-2a
细胞定位	apical plasma membrane,cytoplasm,cytosol,nuclear speck,nucleoplasm,nucleus
纯化	亲和纯化

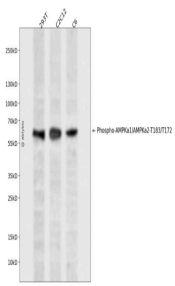
抗原信息

抗原信息	

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 euka ryotic cells. The kinase activity of AMPK is activated by the stimuli that increase the cellular AMP/ATP rati o. AMPK regulates the activities of a number of key metabolic enzymes through phosphorylation. It protec ts cells from stresses that cause ATP depletion by switching off ATP-consuming biosynthetic pathways. Alt ernatively spliced transcript variants encoding distinct isoforms have been observed.
基因ID	5562,5563
基因名	AAPK1/AAPK2
Swiss	Q13131 (https://www.uniprot.org/uniprotkb/Q13131/entry), P54646 (https://www.uniprot.org/uniprotkb/P5 4646/entry)
别名	AAPK1/AAPK2,5'-AMP-activated protein kinase catalytic subunit alpha-1/2,PRKAA1,AMPK1,5'-AMP-activate d protein kinase catalytic subunit alpha-1,AMPK subunit alpha-1,Acetyl-CoA carboxylase kinase,ACACA ki nase,Hydroxymethylglutaryl-CoA reductase kinase,HMGCR kinase,Tau-protein kinase PRKAA1,PRKAA2,AM PK,HMGCR

产品验证



Western blot analysis of Phospho-AMPKa1/AMPKa2-T183/T172 expressed in 293T,C2C12,C6 using Phosph o-AMPKa1/AMPKa2-T183/T172 Rabbit pAb at 1:500. 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 E nhanced Kit. Exposure time: 120s.

实验步骤

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