

产品名称: AMPK alpha 1/2 Rabbit Monoclonal Antibody
产品货号: AMRe87445



产品概述 (Summary)

产品名称 (Production Name)	AMPK alpha 1/2 Rabbit Monoclonal Antibody
描述 (Description)	Recombinant rabbit monoclonal antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IP
种属反应性 (Reactivity)	Human,Mouse,Rat

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Monoclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% protective protein. Stable for 12 months from date of receipt.
纯化方式 (Purification)	Affinity Purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	AMPK alpha 1/2
别名 (Alternative Names)	AMPK; AMPK2; PRKAA; AMPKa2
基因 ID (Gene ID)	5563
蛋白 ID (SwissProt ID)	P54646.

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IP 1:20-1:50
蛋白分子量 (Molecular Weight)	Calculated MW:64,62 kDa; Observed MW:62 kDa

研究背景 (Background)

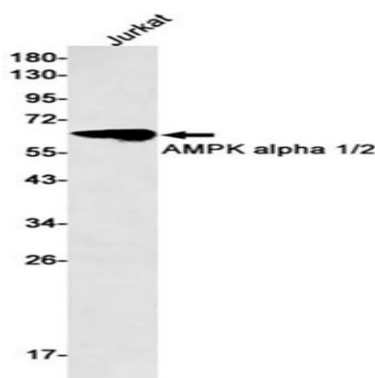
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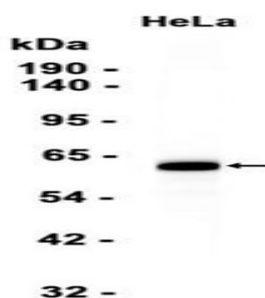
The protein encoded by this gene is a catalytic subunit of the AMP-activated protein kinase (AMPK). AMPK is a heterotrimer consisting of an alpha catalytic subunit, and non-catalytic beta and gamma subunits. AMPK is an important energy-sensing enzyme that monitors cellular energy status. In response 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]

研究领域 (Research Area)

图片 (Image Data)



Western blot detection of AMPK alpha 1/2 in Jurkat cell lysates using AMPK alpha 1/2 antibody(1:500 diluted).



Western blot analysis of extracts from HeLa cells using AMRe87445 at 1:1000.

注意事项 (Note)

For research use only .