

产品名称: PRKAG1 Mouse Monoclonal Antibody
产品货号: AMM81301



产品概述 (Summary)

产品名称 (Production Name)	PRKAG1 Mouse Monoclonal Antibody
描述 (Description)	Mouse monoclonal Antibody
宿主 (Host)	Mouse
应用 (Application)	IHC, ICC, ELISA, FC
种属反应性 (Reactivity)	Human

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	Mouse IgG1
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)	Purified antibody in PBS with 0.05% sodium azide.
纯化方式 (Purification)	Affinity Purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	PRKAG1
别名 (Alternative Names)	AMPKG
基因 ID (Gene ID)	5571.0
蛋白 ID (SwissProt ID)	P54619. Purified recombinant fragment of human PRKAG1 (AA: 230-331) expressed in E. Coli.

产品应用 (Application)

稀释比 (Dilution Ratio)	IHC 1:200-1:1000, ICC 1:200-1:1000, ELISA 1:5000-1:20000, FC 1:200-1:400
蛋白分子量 (Molecular Weight)	37.6kDa

研究背景 (Background)

The protein encoded by this gene is a regulatory subunit of the AMP-activated protein kinase (AMPK). AMPK is a

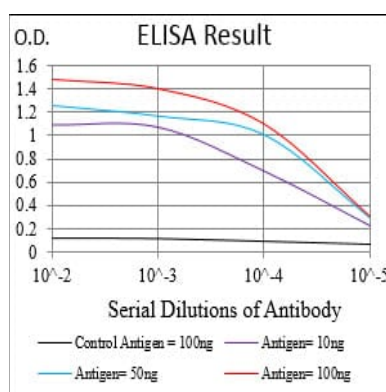
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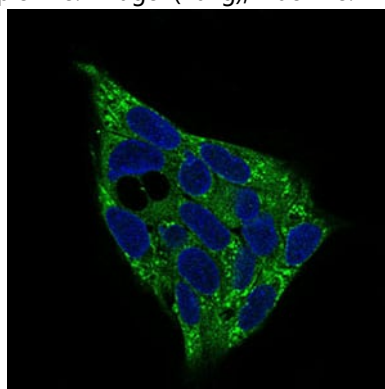
heterotrimer consisting of an alpha catalytic subunit, and non-catalytic beta and gamma subunits. AMPK is an important energy-sensing enzyme that monitors cellular energy status. In response to cellular metabolic stresses, AMPK is activated, and thus phosphorylates and inactivates acetyl-CoA carboxylase (ACC) and beta-hydroxy beta-methylglutaryl-CoA reductase (HMGCR), key enzymes involved in regulating de novo biosynthesis of fatty acid and cholesterol. This subunit is one of the gamma regulatory subunits of AMPK. Alternatively spliced transcript variants encoding distinct isoforms have been observed.

研究领域 (Research Area)

图片 (Image Data)

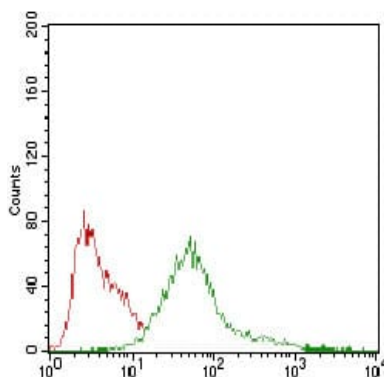


Black line: Control Antigen (100 ng); Purple line: Antigen(10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng);

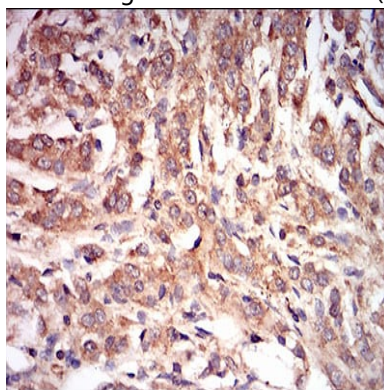


Immunofluorescence analysis of HepG2 cells using PRKAG1 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye.
Secondary antibody from Fisher (Cat#: 35503)

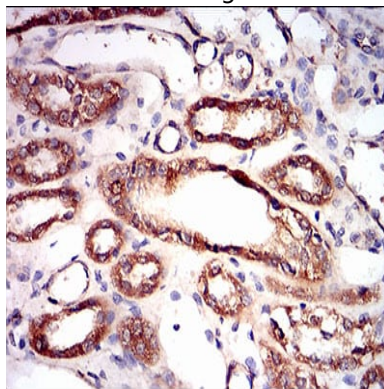
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Flow cytometric analysis of HepG2 cells using PRKAG1 mouse mAb (green) and negative control (red).



Immunohistochemical analysis of paraffin-embedded human prostate cancer tissues using PRKAG1 mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded human kidney tissues using PRKAG1 mouse mAb with DAB staining.

注意事项 (Note)

For research use only .