

产品名称: CaMKII alpha Rabbit Monoclonal Antibody
产品货号: AMRe87133



产品概述 (Summary)

产品名称 (Production Name)	CaMKII alpha Rabbit Monoclonal Antibody
描述 (Description)	Recombinant rabbit monoclonal antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,FC
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)	CaMKII alpha
别名 (Alternative Names)	CAMKA; MRD53; MRT63; CaMKIIalpha; CaMKIINalpha
基因 ID (Gene ID)	815
蛋白 ID (SwissProt ID)	Q9UQM7.

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:2000-1:20000,FC 1:200-1:1000
蛋白分子量 (Molecular Weight)	Calculated MW:54 kDa; Observed MW:54 kDa

研究背景 (Background)

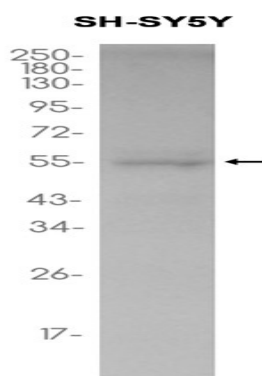
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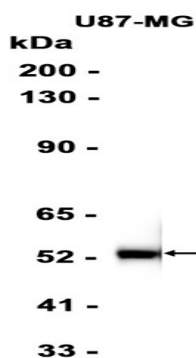
The product of this gene belongs to the serine/threonine protein kinases family, and to the Ca(2+)/calmodulin-dependent protein kinases subfamily. Calcium signaling is crucial for several aspects of plasticity at glutamatergic synapses. This calcium calmodulin-dependent protein kinase is composed of four different chains: alpha, beta, gamma, and delta. The alpha chain encoded by this gene is required for hippocampal long-term potentiation (LTP) and spatial learning. In addition to its calcium-calmodulin (CaM)-dependent activity, this protein can undergo autophosphorylation, resulting in CaM-independent activity. Several transcript variants encoding distinct isoforms have been identified for this gene. [provided by RefSeq, Jun 2018]

研究领域 (Research Area)

图片 (Image Data)



Western blot analysis of extracts from SH-SY5Y cells using AMRe87133 at 1:1000.



Western blot analysis of extracts from U-87MG cells using AMRe87133 at 1:1000.

注意事项 (Note)

For research use only .