

产品名称: CaMKII alpha/delta Rabbit Polyclonal Antibody
产品货号: AP Rab00394



产品概述 (Summary)

产品名称 (Production Name)	CaMKII alpha/delta Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC,ICC/IF,ELISA
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)	Polyclonal
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)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% sodium azide, pH 7.3.
纯化方式 (Purification)	Affinity Chromatography

免疫原信息 (Immunogen)

基因名 (Gene Name)	CAMK2A/CAMK2D CAMK2A; CAMKA; KIAA0968; Calcium/calmodulin-dependent protein kinase type II subunit alpha; CaM kinase II subunit alpha; CaMK-II subunit alpha;
别名 (Alternative Names)	CAMK2D; CAMKD; Calcium/calmodulin-dependent protein kinase type II subunit delta; CaM kinase II
基因 ID (Gene ID)	815/817
蛋白 ID (SwissProt ID)	Q9UQM7/Q13557.

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:1000,IHC 1:50-1:100,ICC/IF 1:50-1:200,ELISA 1:5000-1:20000
蛋白分子量 (Molecular Weight)	Calculated MW: 54 kDa; Observed MW: 54 kDa

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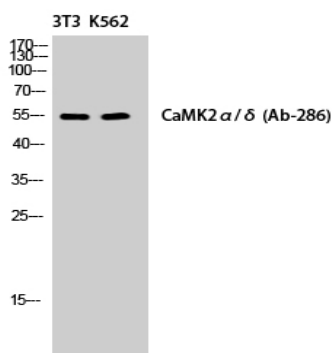
研究背景 (Background)

The product of CAMK2A (calcium/calmodulin dependent protein kinase II alpha) 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. Two transcript variants encoding distinct isoforms have been identified for CAMK2A.

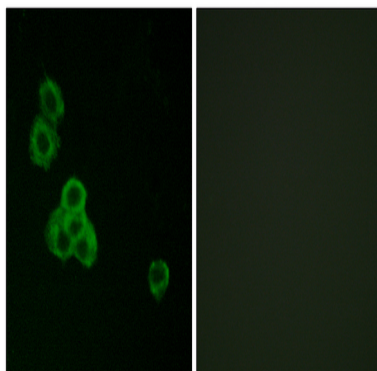
研究领域 (Research Area)

Neuroscience

图片 (Image Data)

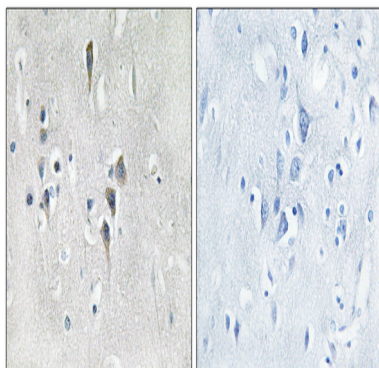


Western blot analysis of CaMKII alpha/delta in NIH3T3/K562 lysates using CaMKII alpha/delta antibody.

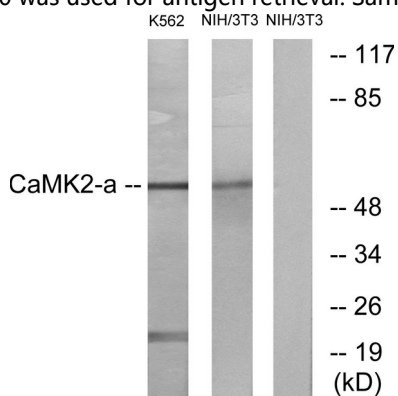


Immunofluorescence analysis of CaMKII alpha/delta in MCF-7 using CaMK2 alpha/delta antibody. The picture on the right is blocked using the synthesized peptide.

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Immunohistochemistry analysis of paraffin-embedded Human brain tissue using CaMK2 alpha/delta antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval. Sample with blocking peptide on the right.



Western blot analysis of CaMKII alpha/delta in NIH/3T3 and K562 lysates using CaMKII alpha/delta antibody. The lane on the right is blocked with the synthesized peptide.

注意事项 (Note)

For research use only .