

产品名称: CaMKII (Phospho-Thr 286) Mouse Monoclonal Antibody
产品货号: AMM86145



产品概述 (Summary)

产品名称 (Production Name)	CaMKII (Phospho-Thr 286) Mouse Monoclonal Antibody
描述 (Description)	Mouse monoclonal Antibody
宿主 (Host)	Mouse
应用 (Application)	WB,IHC,IP
种属反应性 (Reactivity)	Rat

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Phosphorylated
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)	Purified antibody in TBS with 0.05% sodium azide, 1% protective protein and 50% glycerol.
纯化方式 (Purification)	Affinity Purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	CaMKII (Phospho-Thr 286)
别名 (Alternative Names)	Calcium/calmodulin dependent protein kinase II alpha antibody</br>Calcium/calmodulin dependent protein kinase II beta antibody</br>Calcium/calmodulin dependent protein kinase II delta antibody</br>Calcium/calmodulin dependent protein kinase II gamma antibody</br>Calcium/calmodulin-dependent protein kinase type II subunit alpha antibody</br>CaM kinase II alpha antibody</br>CaM kinase II antibody</br>CaM kinase II beta antibody</br>CaM kinase II delta antibody</br>CaM kinase II gamma antibody</br>CaM kinase II subunit alpha antibody</br>CaMK-II subunit alpha antibody</br>CAMK2 antibody</br>Camk2a antibody</br>CAMK2B antibody</br>CAMK2D

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	antibody	CAMK2G	antibody	CAMKA	antibody
		KCC2A_HUMAN antibody			
基因 ID (Gene ID)	815;				
蛋白 ID (SwissProt ID)	Q9UQM7.peptide				

产品应用 (Application)

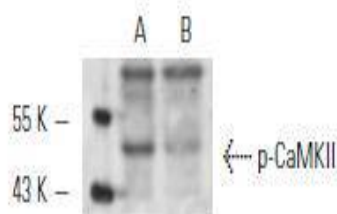
稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:50-1:500,IP 1:20-1:50
蛋白分子量 (Molecular Weight)	50kDa

研究背景 (Background)

The Ca²⁺/calmodulin-dependent protein kinases (CaM kinases) comprise a structurally related subfamily of serine/threonine kinases which include CaMKI, CaMKII and CaMKIV. CaMKII is a ubiquitously expressed serine/ threonine protein kinase that is activated by Ca²⁺ and calmodulin (CaM) and has been implicated in regulation of the cell cycle and transcription. There are four CaMKII isozymes, designated α , β , γ and δ , which may or may not be coexpressed in the same tissue types. CaMKIV is stimulated by Ca²⁺ and CaM but also requires phosphorylation by a CaMK for full activation. Stimulation of the T cell receptor CD3 signaling complex with an anti-CD3 monoclonal antibody leads to a 10-40 fold increase in CaMKIV activity. An additional kinase, CaMKK, functions to activate CaMKI through the specific phosphorylation of the regulatory threonine residue at position 177.

研究领域 (Research Area)

图片 (Image Data)



Western blot analysis of p-CaMKII phosphorylation in untreated (A) and lambda phosphatase treated (B) rat brain tissue extract.

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注意事项 (Note)

For research use only .