

产品名称: Calmodulin Rabbit Polyclonal Antibody
产品货号: APRab07860



产品概述 (Summary)

产品名称 (Production Name)	Calmodulin 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% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	CALM1
别名 (Alternative Names)	CALM1; CALM; CAM; CAM1; CALM2; CAM2; CAMB; CALM3; CALML2; CAM3; CAMC; CAMIII; Calmodulin; CaM
基因 ID (Gene ID)	801/805/808
蛋白 ID (SwissProt ID)	P62158.The antiserum was produced against synthesized peptide derived from human Calmodulin. AA range:46-95

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:200-1:1000,ELISA 1:5000-1:20000
蛋白分子量 (Molecular Weight)	

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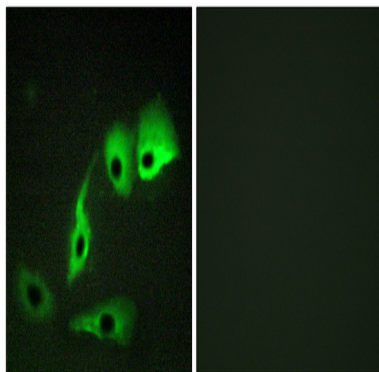
研究背景 (Background)

This gene encodes a member of the EF-hand calcium-binding protein family. It is one of three genes which encode an identical calcium binding protein which is one of the four subunits of phosphorylase kinase. Two pseudogenes have been identified on chromosome 7 and X. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2009],function:Calmodulin mediates the control of a large number of enzymes and other proteins by Ca^{2+} . Among the enzymes to be stimulated by the calmodulin- Ca^{2+} complex are a number of protein kinases and phosphatases. Together with CEP110 and centrin, is involved in a genetic pathway that regulates the centrosome cycle and progression through cytokinesis.,miscellaneous:This protein has four functional calcium-binding sites.,PTM:Phosphorylation results in a decreased activity.,PTM:Ubiquitination results in a strongly decreased activity.,similarity:Belongs to the calmodulin family.,similarity:Contains 4 EF-hand domains.,subcellular location:Distributed throughout the cell during interphase, but during mitosis becomes dramatically localized to the spindle poles and the spindle microtubules.,subunit:Interacts with MYO1C (By similarity). Interacts with CEP97, CEP110, TTN/titin and SRY.,

研究领域 (Research Area)

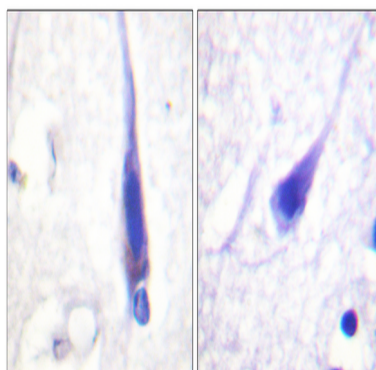
Calcium;Phosphatidylinositol signaling system;Oocyte meiosis;Vascular smooth muscle contraction;Long-term potentiation;Neurotrophin;Olfactory transduction;Insulin_Receptor;GnRH;Melanogenesis;Alzheimer's disease;Glioma;

图片 (Image Data)

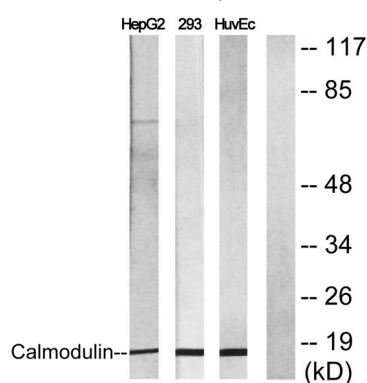


Immunofluorescence analysis of HepG2 cells, using Calmodulin Antibody. The picture on the right is blocked with the synthesized peptide.

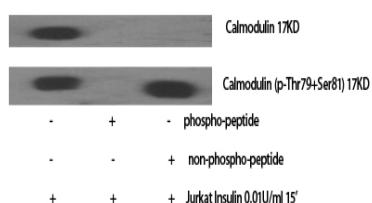
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Immunohistochemistry analysis of paraffin-embedded human brain tissue, using Calmodulin Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from NIH/3T3 cells, using Calmodulin Antibody. The lane on the right is blocked with the synthesized peptide.

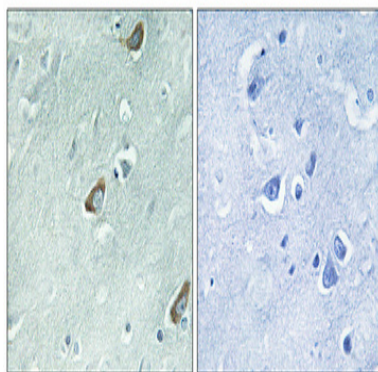


Western Blot analysis of various cells using Calmodulin Polyclonal Antibody diluted at 1: 2000

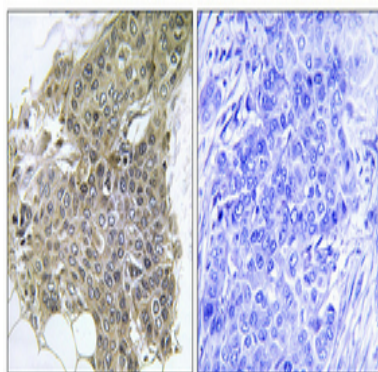
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Western Blot analysis of HuvEc cells using Calmodulin Polyclonal Antibody diluted at 1: 2000



Immunohistochemical analysis of paraffin-embedded Human brain. Antibody was diluted at 1:100 (4°,overnight) . High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negative contrl (right) obtained from antibody was pre-absorbed by immunogen peptide.



Immunohistochemical analysis of paraffin-embedded Human breast cancer. Antibody was diluted at 1:100 (4°,overnight) . High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negative contrl (right) obtained from antibody was pre-absorbed by immunogen peptide.

注意事项 (Note)

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