

产品名称: AKAP 10 Rabbit Polyclonal Antibody
产品货号: APRab06717



产品概述 (Summary)

产品名称 (Production Name)	AKAP 10 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)	AKAP10 AKAP10; A-kinase anchor protein 10; mitochondrial; AKAP-10; Dual specificity
别名 (Alternative Names)	A kinase-anchoring protein 2; D-AKAP-2; Protein kinase A-anchoring protein 10; PRKA10
基因 ID (Gene ID)	11216.0
蛋白 ID (SwissProt ID)	O43572.The antiserum was produced against synthesized peptide derived from human AKAP10. AA range:10-59

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)	73kDa

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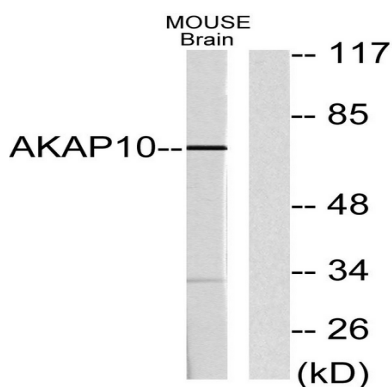


研究背景 (Background)

This gene encodes a member of the A-kinase anchor protein family. A-kinase anchor proteins bind to the regulatory subunits of protein kinase A (PKA) and confine the holoenzyme to discrete locations within the cell. The encoded protein is localized to mitochondria and interacts with both the type I and type II regulatory subunits of PKA. Polymorphisms in this gene may be associated with increased risk of arrhythmias and sudden cardiac death. [provided by RefSeq, May 2012],domain:RII-alpha binding site, predicted to form an amphipathic helix, could participate in protein-protein interactions with a complementary surface on the R-subunit dimer.,function:Differentially targeted protein that binds to type I and II regulatory subunits of protein kinase A and anchors them to the mitochondria or the plasma membrane. Although the physiological relevance between PKA and AKAPS with mitochondria is not fully understood, one idea is that BAD, a proapoptotic member, is phosphorylated and inactivated by mitochondria-anchored PKA. It cannot be excluded too that it may facilitate PKA as well as G protein signal transduction, by acting as an adapter for assembling multiprotein complexes. With its RGS domain, it could lead to the interaction to G-alpha proteins, providing a link between the signaling machinery and the downstream kinase.,similarity:Contains 2 RGS domains.,subcellular location:Predominantly mitochondrial but also membrane associated and cytoplasmic.,

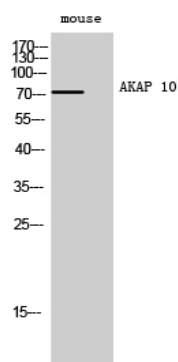
研究领域 (Research Area)

图片 (Image Data)



Western blot analysis of lysates from mouse brain, using AKAP10 Antibody. The lane on the right is blocked with the synthesized peptide.

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Western Blot analysis of mouse cells using AKAP 10 Polyclonal Antibody

注意事项 (Note)

For research use only .