

产品名称: AKAP 220 Rabbit Polyclonal Antibody
产品货号: AP Rab06723



产品概述 (Summary)

产品名称 (Production Name)	AKAP 220 Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	IHC, ICC, IF, ELISA
种属反应性 (Reactivity)	Human, Rat, Mouse

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)	AKAP11
别名 (Alternative Names)	AKAP11; AKAP220; KIAA0629; A-kinase anchor protein 11; AKAP-11; A-kinase anchor protein 220 kDa; AKAP 220; hAKAP220; Protein kinase A-anchoring protein 11; PRKA11
基因 ID (Gene ID)	11215.0
蛋白 ID (SwissProt ID)	Q9UKA4. The antiserum was produced against synthesized peptide derived from human AKAP11. AA range: 1761-1810

产品应用 (Application)

稀释比 (Dilution Ratio)	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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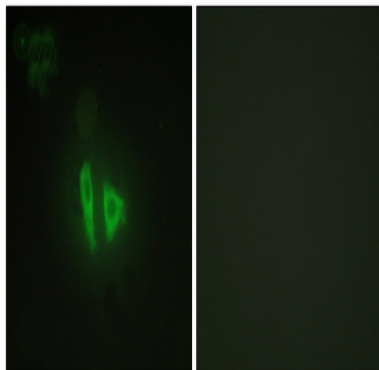
研究背景 (Background)

The A-kinase anchor proteins (AKAPs) are a group of structurally diverse proteins, which have the common function of binding to the regulatory subunit of protein kinase A (PKA) and confining the holoenzyme to discrete locations within the cell. This gene encodes a member of the AKAP family. The encoded protein is expressed at high levels throughout spermatogenesis and in mature sperm. It binds the RI and RII subunits of PKA in testis. It may serve a function in cell cycle control of both somatic cells and germ cells in addition to its putative role in spermatogenesis and sperm function.

[provided by RefSeq, Jul 2008],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:Binds to type II regulatory subunits of protein kinase A and anchors/targets them.,similarity:Belongs to the AKAP110 family.,subcellular location:Cytoplasmic in premeiotic pachytene spermatocytes and in the centrosome of developing postmeiotic germ cells, while a midpiece/centrosome localization was found in elongating spermatocytes and mature sperm.,tissue specificity:Expressed in heart, brain, lung, liver, kidney, testis and ovary. Weakly expressed in skeletal muscle, pancreas and spleen.,

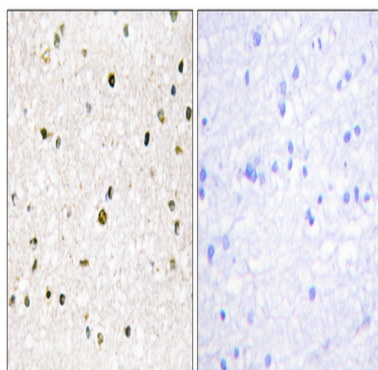
研究领域 (Research Area)

图片 (Image Data)



Immunofluorescence analysis of HepG2 cells, using AKAP11 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 AKAP11 Antibody. The picture on the right is blocked with the synthesized peptide.

注意事项 (Note)

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