
Product Name: AKAP 95 Rabbit Polyclonal Antibody**Catalog #: APRab06727**

For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,IHC,ICC/IF,ELISA
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:200-1:1000,ELISA 1:10000-1:20000
Molecular Weight	76kDa

Antigen Information

Gene Name	AKAP8
Alternative Names	AKAP8; AKAP95; A-kinase anchor protein 8; AKAP-8; A-kinase anchor protein 95 kDa; AKAP 95
Gene ID	10270.0
SwissProt ID	O43823
Immunogen	The antiserum was produced against synthesized peptide derived from human AKAP8. AA range:331-380

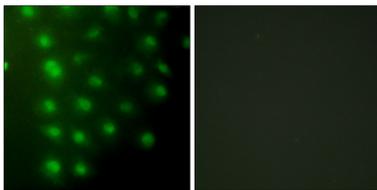
Background

This gene encodes a member of the A-kinase anchor protein family. A-kinase anchor proteins are scaffold proteins that contain a binding domain for the RI/RII subunit of protein kinase A (PKA) and recruit PKA and other signaling molecules to specific subcellular locations. This gene encodes a nuclear A-kinase anchor protein that binds to the RII alpha subunit of PKA and may play a role in chromosome condensation during mitosis by targeting PKA and the condensin complex to chromatin. A pseudogene of this gene is located on the short arm of chromosome 9. [provided by RefSeq, May 2011],function:Anchoring protein that mediates the subcellular compartmentation of cAMP-dependent protein kinase (PKA type II),similarity:Belongs to the AKAP95 family,subcellular location:Associated with the nuclear matrix. Redistributed and detached from condensed chromatin during mitosis,subunit:Binds to dimeric RII-alpha regulatory subunit of PKA during mitosis,tissue specificity:Highly expressed in heart, liver, skeletal muscle, kidney and pancreas,

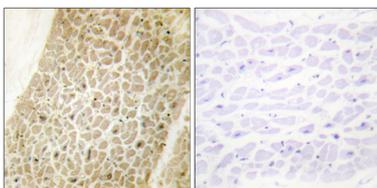
Research Area

Epigenetics and Nuclear Signaling

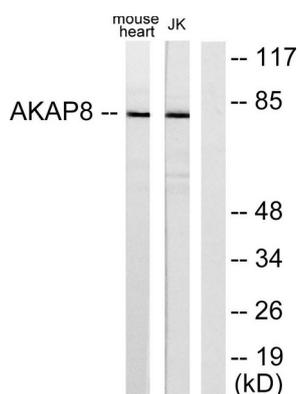
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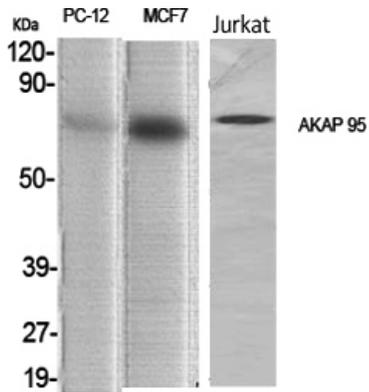
Immunofluorescence analysis of HUVEC cells, using AKAP8 Antibody. The picture on the right is blocked with the synthesized peptide.



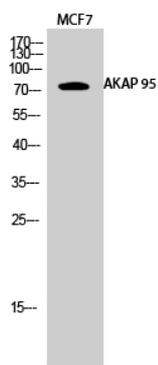
Immunohistochemistry analysis of paraffin-embedded human heart tissue, using AKAP8 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from mouse heart and Jurkat cells, using AKAP8 Antibody. The lane on the right is blocked with the synthesized peptide.



Western Blot analysis of various cells using AKAP 95 Polyclonal Antibody diluted at 1 : 1000.



Western Blot analysis of MCF7 cells using AKAP 95 Polyclonal Antibody diluted at 1 : 1000.