Product Name: AKAP 14 Rabbit Polyclonal Antibody
Catalog #: APRab06720
For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,IHC,ICC/IF,ELISA
Reactivity	Human,Rat,Mouse
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 1:5000-1:10000
Molecular Weight	23kDa

Antigen Information

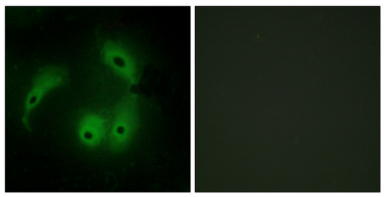
Gene Name	AKAP14
Alternative Names	AKAP14; AKAP28; A-kinase anchor protein 14; AKAP-14; A-kinase anchor protein 28 kDa; AKAP 28; Protein kinase A-anchoring protein 14; PRKA14
Gene ID	158798.0
SwissProt ID	Q86UN6
Immunogen	The antiserum was produced against synthesized peptide derived from human AKAP14. AA range:1-50

Background

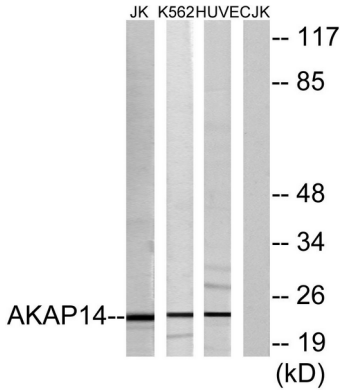
The A-kinase anchor proteins (AKAPs) are a group of structurally diverse proteins, which have the common function of binding to the regulatory subunit of protein kinase A (PKA) and confining the holoenzyme to discrete locations within the cell. This gene encodes a member of the AKAP family. The protein anchors PKA in ciliary axonemes and, in this way, may play a role in regulating ciliary beat frequency. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq, Jul 2008],caution:The sequence shown here is derived from an Ensembl automatic analysis pipeline and should be considered as preliminary data.,function:Binds to type II regulatory subunits of protein kinase A and anchors/targets them.,subunit:Binds to type II regulatory subunits (RII).,tissue specificity:Present in cilia (at protein level). Expressed in tissues containing axoneme-based organelles (cilia and/or flagella): trachea and testis. Highly expressed in airway cilia.,

Research Area

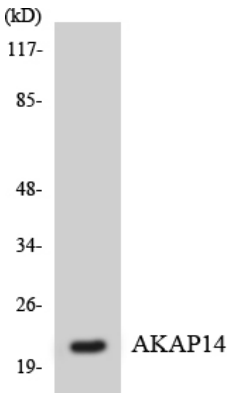
Image Data



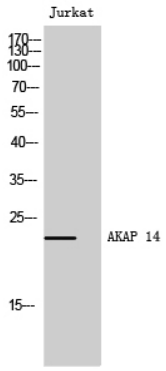
Immunofluorescence analysis of HeLa cells, using AKAP14 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from Jurkat, K562, and HUVEC cells, using AKAP14 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from RAW264.7cells using AKAP14 antibody.



Western Blot analysis of Jurkat cells using AKAP 14 Polyclonal Antibody