

**Product Name: AKAP 14 Rabbit Polyclonal Antibody**  
**Catalog #: APRab06720**



## Summary

<b>Production Name</b>	AKAP 14 Rabbit Polyclonal Antibody
<b>Description</b>	Rabbit Polyclonal Antibody
<b>Host</b>	Rabbit
<b>Application</b>	IF, WB,
<b>Reactivity</b>	Human, Rat, Mouse

## Performance

<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Polyclonal
<b>Form</b>	Liquid
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
<b>Buffer</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
<b>Purification</b>	Affinity purification

## Immunogen

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

## Application

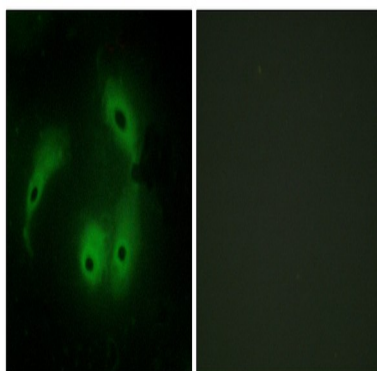
<b>Dilution Ratio</b>	WB 1:500 - 1:2000. IF 1:200 - 1:1000. ELISA: 1:5000. Not yet tested in other applications.
<b>Molecular Weight</b>	23kD

## Background

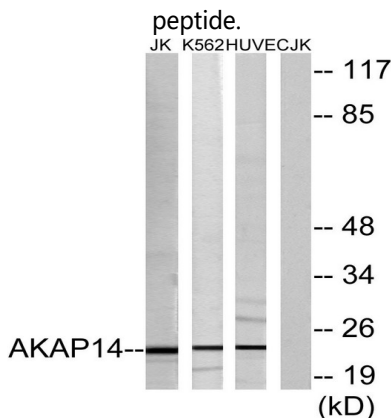
The A-kinase anchor proteins (AKAPs) are a group of structurally diverse proteins, which have the common function of binding to the regulatory subunit of protein kinase A (PKA) and confining the holoenzyme to discrete locations within the cell. This gene encodes a member of the AKAP family. The protein 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

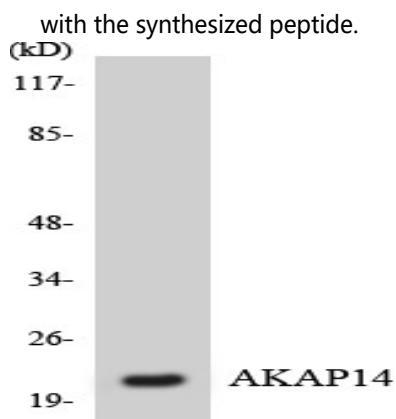


Immunofluorescence analysis of HeLa cells, using AKAP14 Antibody. The picture on the right is blocked with the synthesized

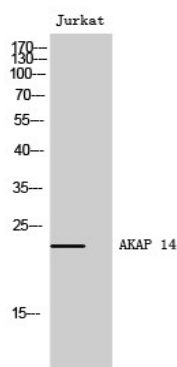


Western blot analysis of lysates from Jurkat, K562, and HUVEC cells, using AKAP14 Antibody. The lane on the right is blocked

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



Western Blot analysis of Jurkat cells using AKAP 14 Polyclonal Antibody

## Note

For research use only.