

# AKAP1 Rabbit pAb

Catalog No.: A5943

1 Publications

## Basic Information

### Observed MW

135kDa

### Calculated MW

97kDa

### Category

Primary antibody

### Applications

ELISA,WB,IF/ICC,IP,FC

### Cross-Reactivity

Human

## 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 binds to type I and type II regulatory subunits of PKA and anchors them to the mitochondrion. This protein is speculated to be involved in the cAMP-dependent signal transduction pathway and in directing RNA to a specific cellular compartment.

## Recommended Dilutions

|               |                |
|---------------|----------------|
| <b>WB</b>     | 1:500 - 1:2000 |
| <b>IF/ICC</b> | 1:50 - 1:100   |
| <b>IP</b>     | 1:20 - 1:50    |
| <b>FC</b>     | 1:20 - 1:50    |

## Immunogen Information

### Gene ID

8165

### Swiss Prot

Q92667

### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 30-280 of human AKAP1 (NP\_003479.1).

### Synonyms

AKAP; PRKA1; AKAP84; TDRD17; AKAP121; AKAP149; D-AKAP1; PPP1R43; SAKAP84; AKAP1

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

Affinity purification

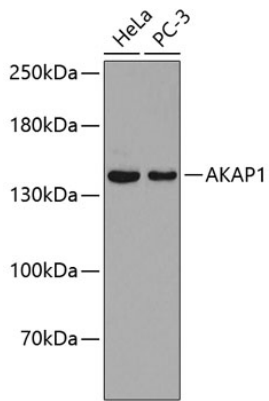
### Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.01% thimerosal, 50% glycerol, pH7.3.

## Validation Data

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Western blot analysis of extracts of various cell lines, using AKAP1 antibody (A5943).  
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.