

## Rabbit AKAP10 Polyclonal Antibody | anti-AKAP10 antibody

AKAP10 antibody - middle region

|                               |                       |                                                                                 |                                     |
|-------------------------------|-----------------------|---------------------------------------------------------------------------------|-------------------------------------|
| CATALOG #<br><b>AAA198064</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Cow, Dog, Horse, Human, Mouse, Pig, Rabbit, Rat, Zebrafish</b> | APPLICATIONS<br><b>Western Blot</b> |
|-------------------------------|-----------------------|---------------------------------------------------------------------------------|-------------------------------------|

### PRODUCT SYNONYMS

AKAP10; Polyclonal Antibody; AKAP10 antibody - middle region; anti-AKAP10 antibody

### PRODUCT SPECIFICATIONS

|                                                  |                                                                                                                                                       |
|--------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                             | Rabbit                                                                                                                                                |
| Reactivity                                       | Cow, Dog, Horse, Human, Mouse, Pig, Rabbit, Rat, Zebrafish                                                                                            |
| Clonality                                        | Polyclonal                                                                                                                                            |
| Purity/Purification                              | Affinity Purified                                                                                                                                     |
| Form/Format                                      | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.                                                     |
| Sequence                                         | Synthetic peptide with the following region: ES LYQRTYAGKM TFGRVSDLGQ FIRESEPEPD VRKSKGSMFS QAMKKWVQ                                                  |
| Sequence Length                                  | 662                                                                                                                                                   |
| Applicable Applications for anti-AKAP10 antibody | WB (Western Blot)                                                                                                                                     |
| Homology                                         | Cow: 93%; Dog: 93%; Horse: 93%; Human: 100%; Mouse: 93%; Pig: 93%; Rabbit: 93%; Rat: 93%; Zebrafish: 90%                                              |
| Immunogen                                        | The immunogen is a synthetic peptide directed towards the middle region of human AKAP10                                                               |
| Preparation and Storage                          | For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles. |

### IMAGES



#### WB (Western Blot)

WB Suggested Anti-AKAP10 Antibody Titration: 0.2-1 ug/ml  
ELISA Titer: 1:312500  
Positive Control: RPMI 8226 cell lysate



#### WB (Western Blot)

Host: Rabbit  
Target Name: AKAP10  
Sample Type: 293T  
Antibody Dilution: 1.0ug/ml  
AKAP10 is supported by BioGPS gene expression data to be expressed in HEK293T

ADDITIONAL INFORMATION

|                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-AKAP10 antibody | <p>This is a rabbit polyclonal antibody against AKAP10. It was validated on Western Blot using a cell lysate as a positive control.</p> <p>Target Description: 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 interacts with both the type I and type II regulatory subunits of PKA; therefore, it is a dual-specific AKAP. This protein is highly enriched in mitochondria. It contains RGS (regulator of G protein signalling) domains, in addition to a PKA-RII subunit-binding domain. The mitochondrial localization and the presence of RGS domains may have important implications for the function of this protein in PKA and G protein signal transduction.</p> |
| Product Categories/Family for anti-AKAP10 antibody   | Polyclonal; Mitochondria; Signal Transduction; Various; DNA/RNA/Protein Interactions; GPCR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

NCBI AND UNIPROT INFORMATION

|                                  |                                                     |
|----------------------------------|-----------------------------------------------------|
| NCBI GI #                        | 21493033                                            |
| NCBI GeneID                      | 11216                                               |
| NCBI Accession #                 | NP_009133                                           |
| NCBI GenBank Nucleotide #        | NM_007202                                           |
| UniProt Accession #              | O43572                                              |
| Molecular Weight                 | 71kDa                                               |
| NCBI Official Full Name          | A-kinase anchor protein 10, mitochondrial isoform 1 |
| NCBI Official Synonym Full Names | A-kinase anchoring protein 10                       |
| NCBI Official Symbol             | AKAP10                                              |
| NCBI Official Synonym Symbols    | PRKA10; AKAP-10; D-AKAP2; D-AKAP-2                  |
| NCBI Protein Information         | A-kinase anchor protein 10, mitochondrial           |
| UniProt Protein Name             | A-kinase anchor protein 10, mitochondrial           |
| UniProt Gene Name                | AKAP10                                              |
| UniProt Synonym Gene Names       | AKAP-10; D-AKAP-2; PRKA10                           |
| UniProt Entry Name               | AKA10_HUMAN                                         |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/akap10-antibody-western-blot-elisa/198064>