

## Rabbit anti-Human AKAP1 Polyclonal Antibody | anti-AKAP1 antibody

AKAP1 Antibody

| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                                           |
|-----------|--------|------------|--------------------------------------------------------|
| AAA304709 | Rabbit | Human      | Immunofluorescence, Immunohistochemistry, Western Blot |

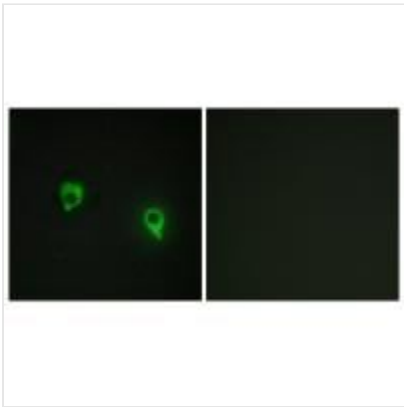
### PRODUCT SYNONYMS

AKAP1; Polyclonal Antibody; AKAP1 Antibody; A kinase anchor protein 1; mitochondrial precursor; A-kinase anchor protein 149 kDa; AKAP 149; AKAP149; anti-AKAP1 antibody

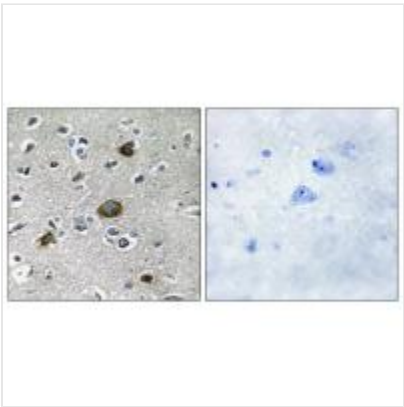
### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                                                                    |
|-------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                             |
| Reactivity                                      | Human                                                                                                                                              |
| Clonality                                       | Polyclonal                                                                                                                                         |
| Specificity                                     | The antibody detects endogenous levels of total AKAP1 protein.                                                                                     |
| Purity/Purification                             | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.                              |
| Form/Format                                     | Rabbit IgG in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. |
| Concentration                                   | 1.0 mg/ml (varies by lot)                                                                                                                          |
| Sequence Length                                 | 903                                                                                                                                                |
| Applicable Applications for anti-AKAP1 antibody | IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)                                                                             |
| Immunogen Type                                  | Peptide                                                                                                                                            |
| Immunogen Description                           | Synthesized peptide derived from internal of human AKAP1.                                                                                          |
| Target Name                                     | AKAP1                                                                                                                                              |
| Preparation and Storage                         | Store at -20 degree C                                                                                                                              |

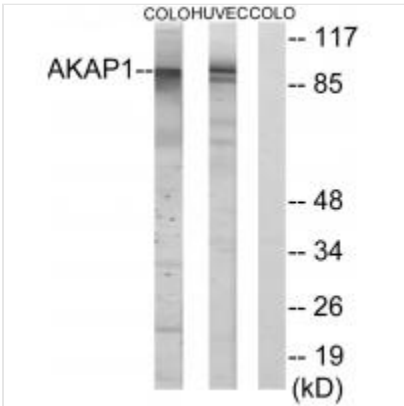
IMAGES



**IF (Immunofluorescence)**  
Immunofluorescence analysis of COS7 cells, using AKAP1 antibody.



**IHC (Immunohistochemistry)**  
Immunohistochemistry analysis of paraffin-embedded human brain tissue using AKAP1 antibody.



**WB (Western Blot)**  
Western blot analysis of extracts from HUVEC cells and COLO cells, using AKAP1 antibody.

ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                                                                                                                                 |
|-----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-AKAP1 antibody | Binds to type I and II regulatory subunits of protein kinase A and anchors them to the cytoplasmic face of the mitochondrial outer membrane.Trendelenburg G., Biochem. Biophys. Res. Commun. 225:313-319(1996).Lin R.-Y., J. Biol. Chem. 270:27804-27811(1995).Hillman R.T., Genome Biol. 5:RESEARCH008.1-RESEARCH008.16(2004). |
| Product Categories/Family for anti-AKAP1 antibody   | Total protein Ab                                                                                                                                                                                                                                                                                                                |

NCBI AND UNIPROT INFORMATION

|                                  |                                          |
|----------------------------------|------------------------------------------|
| NCBI GI #                        | 339275974                                |
| NCBI GeneID                      | 8165                                     |
| NCBI Accession #                 | NP_001229831.1                           |
| NCBI GenBank Nucleotide #        | NM_001242902.1                           |
| UniProt Accession #              | Q92667; Q13320; Q9BW14; A8K8Q1; D3DTZ0   |
| Molecular Weight                 | 62,921 Da                                |
| NCBI Official Full Name          | A-kinase anchor protein 1, mitochondrial |
| NCBI Official Synonym Full Names | A kinase (PRKA) anchor protein 1         |
| NCBI Official Symbol             | AKAP1                                    |

|                               |                                                                          |
|-------------------------------|--------------------------------------------------------------------------|
| NCBI Official Synonym Symbols | AKAP; PRKA1; AKAP84; TDRD17; AKAP121; AKAP149; D-AKAP1; PPP1R43; SAKAP84 |
| NCBI Protein Information      | A-kinase anchor protein 1, mitochondrial                                 |
| UniProt Protein Name          | A-kinase anchor protein 1, mitochondrial                                 |
| UniProt Gene Name             | <b>AKAP1</b>                                                             |
| UniProt Synonym Gene Names    | AKAP149; PRKA1; AKAP 149; D-AKAP-1; PRKA1; S-AKAP84                      |
| UniProt Entry Name            | AKAP1_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/akap1-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/304709>