

Rabbit AKAP1 Polyclonal Antibody | anti-AKAP1 antibody

Anti-AKAP1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA261546	Rabbit	Human, Mouse, Rat	Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

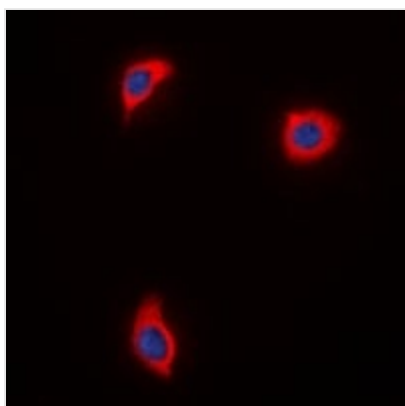
PRODUCT SYNONYMS

AKAP1; Polyclonal Antibody; Anti-AKAP1 Antibody; AKAP149; PRKA1; A-kinase anchor protein 1; mitochondrial; A-kinase anchor protein 149 kDa; AKAP 149; Dual specificity A-kinase-anchoring protein 1; D-AKAP-1; Protein kinase A-anchoring protein 1; Spermatid A-kinase anchor protein 84; S-AKAP84; anti-AKAP1 antibody

PRODUCT SPECIFICATIONS

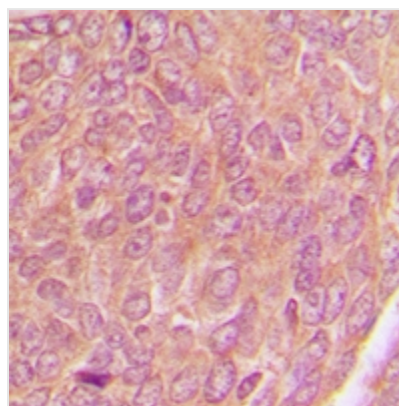
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Specificity	Recognizes endogenous levels of AKAP1 protein.
Purity/Purification	The antibody was purified by immunogen affinity chromatography.
Form/Format	Liquid in 0.42% Potassium Phosphate, 0.87% Sodium Chloride, pH 7.3, 30% Glycerol, and 0.01% Sodium Azide.
Sequence Length	903
Applicable Applications for anti-AKAP1 antibody	ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human AKAP1. The exact sequence is proprietary.
Preparation and Storage	Upon receipt aliquot and store at -20°C for one year. Avoid freeze/thaw cycles.

IMAGES



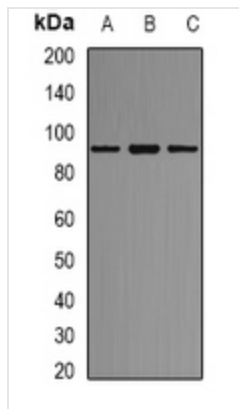
IF (Immunofluorescence)

Immunofluorescent analysis of AKAP1 staining in HuvEc cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).



IHC (Immunohistochemistry)

Immunohistochemical analysis of AKAP1 staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



WB (Western Blot)

Western blot analysis of AKAP1 expression in HuvEc (A), mouse kidney (B), rat testis (C) whole cell lysates. (Predicted band size: 97 kD; Observed band size: 90 kD)

ADDITIONAL INFORMATION

Related Product Information for anti-AKAP1 antibody	Rabbit polyclonal antibody to AKAP1
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NCBI AND UNIPROT INFORMATION

NCBI GI #	8134304
NCBI GeneID	8165
UniProt Accession #	Q92667; Q13320; Q9BW14; A8K8Q1; D3DTZ0
NCBI Official Full Name	A-kinase anchor protein 1, mitochondrial
NCBI Official Synonym Full Names	A-kinase anchoring 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	AKAP1
UniProt Synonym Gene Names	AKAP149; PRKA1; 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-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/261546>