

Rabbit anti-Human, Mouse AKAP3 Polyclonal Antibody | anti-AKAP3 antibody

AKAP3 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA321085	Rabbit	Human, Mouse	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

AKAP3; Polyclonal Antibody; AKAP3 Antibody; A kinase (PRKA) anchor protein 3; A-kinase anchor protein 110 kDa; A-kinase anchor protein 3; AKAP 110; AKAP-3; AKAP110; Akap3; AKAP3_HUMAN; Cancer/testis antigen 82; CT82; Fibrous sheath protein of 95 kDa; Fibrousheathin 1; Fibrousheathin I; Fibrousheathin-1; FSP95; PRKA3; protein kinase A binding protein AKAP 110; Protein kinase A-anchoring protein 3; SOB 1; SOB1; Sperm oocyte binding protein 1; Sperm oocyte-binding protein; anti-AKAP3 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	AKAP3 antibody detects endogenous levels of AKAP3
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	853
Applicable Applications for anti-AKAP3 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide derived from human AKAP3
Tissue Specificity	Testis specific; only expressed in spermatids.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis of extracts from HepG2, using AKAP3 Antibody. Lane 1 was treated with the antigen-specific peptide.



IF (Immunofluorescence)

AAA321085 staining HeLa cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-AKAP3 antibody	Description: May function as a regulator of both motility-and head-associated functions such as capacitation and the acrosome reaction. Subunit Structure: Interacts with ROPN1 AND ROPN1L. Post-translational Modifications: Phosphorylated on tyrosine residues. Similarity: RII-binding site, predicted to form an amphipathic helix, could participate in protein-protein interactions with a complementary surface on the R-subunit dimer. Belongs to the AKAP110 family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	507834049
NCBI GeneID	10566
NCBI Accession #	NP_001265238.1
NCBI GenBank Nucleotide #	NM_001278309.1
UniProt Accession #	O75969; O75945; Q86X01; Q9UM61
Molecular Weight	Observed: 94 kDa Predicted: 95 kDa
NCBI Official Full Name	A-kinase anchor protein 3
NCBI Official Synonym Full Names	A-kinase anchoring protein 3
NCBI Official Symbol	AKAP3
NCBI Official Synonym Symbols	CT82; SOB1; FSP95; PRKA3; HEL159; AKAP110; AKAP 110
NCBI Protein Information	A-kinase anchor protein 3
UniProt Protein Name	A-kinase anchor protein 3
UniProt Gene Name	AKAP3
UniProt Synonym Gene Names	AKAP110; SOB1; AKAP-3; AKAP 110; CT82; FSP95; PRKA3

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/akap3-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/321085>