
Product Name: AKAP 110 Rabbit Polyclonal Antibody**Catalog #: APRab06718**

For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	ICC/IF,ELISA
Reactivity	Human,Mouse
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Application

Dilution Ratio ICC/IF 1:200-1:1000,ELISA 1:5000-1:20000

Molecular Weight

Antigen Information

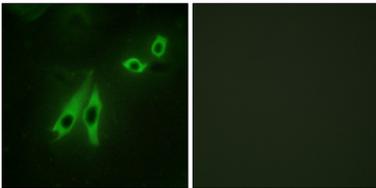
Gene Name	AKAP3 AKAP3; AKAP110; SOB1; A-kinase anchor protein 3; AKAP-3; A-kinase anchor protein 110
Alternative Names	kDa; AKAP 110; Cancer/testis antigen 82; CT82; Fibrous sheath protein of 95 kDa; FSP95; Fibrousheathin I; Fibrousheathin-1; Protein kinase A-anchoring prot
Gene ID	10566.0
SwissProt ID	O75969
Immunogen	The antiserum was produced against synthesized peptide derived from human AKAP3. AA range:191-240

Background

This gene encodes a member of A-kinase anchoring proteins (AKAPs), a family of functionally related proteins that target protein kinase A to discrete locations within the cell. The encoded protein is reported to participate in protein-protein interactions with the R-subunit of the protein kinase A as well as sperm-associated proteins. This protein is expressed in spermatozoa and localized to the acrosomal region of the sperm head as well as the length of the principal piece. It may function as a regulator of motility, capacitation, and the acrosome reaction. [provided by RefSeq, May 2013],domain:RII-binding site, predicted to form an amphipathic helix, could participate in protein-protein interactions with a complementary surface on the R-subunit dimer.,function:May function as a regulator of both motility- and head-associated functions such as capacitation and the acrosome reaction.,PTM:Phosphorylated on tyrosine residues.,similarity:Belongs to the AKAP110 family.,subcellular location:Ribs of the fibrous sheath in the principal piece of the sperm tail. Dorsal margin of the acrosomal segment.,subunit:Interacts with ROPN1 AND ROPN1L.,tissue specificity:Testis specific; only expressed in spermatids.,

Research Area

Image Data



Immunofluorescence analysis of NIH/3T3 cells, using AKAP3 Antibody. The picture on the right is blocked with the synthesized peptide.