

Product name:	AKAP 110 Rabbit Polyclonal Antibody
Cat number:	ABN06718
Conjugate:	Unconjugated
Size:	100µL
Clone:	Polyclonal
Concentration:	1mg/ml
Host:	Rabbit
Isotype:	IgG
Immunogen:	The antiserum was produced against synthesized peptide derived from human AKAP3. AA range:191-240
Reactivity:	Human,Mouse
Applications:	ICC/IF 1:200-1:1000,ELISA 1:5000-1:20000
Purification:	Affinity purification
Form:	Liquid
Buffer:	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Storage:	Store at 4°C short term. Aliquot and store at -20°C for 12 months. Avoid freeze/thaw cycles.
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.,