

## AKAP 110 rabbit pAb

## Cat No.:ES4506

For research use only

## Overview

Product Name	AKAP 110 rabbit pAb	
Host species	Rabbit	
Applications	IF;ELISA	
Species Cross-Reactivity	Human; Mouse	
<b>Recommended dilutions</b>	Immunofluorescence: 1/200 - 1/1000. ELISA:	
	1/10000. Not yet tested in other applications.	
Immunogen	The antiserum was produced against synthesized	
	peptide derived from human AKAP3. AA	
	range:191-240	
Specificity	AKAP 110 Polyclonal Antibody detects endogenous	
	levels of AKAP 110 protein.	
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and	
	0.02% sodium azide.	
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.	
Protein Name	A-kinase anchor protein 3	
Gene Name	АКАРЗ	
Cellular localization	Cytoplasmic vesicle, secretory vesicle, acrosome .	
	Ribs of the fibrous sheath in the principal piece of	
	the sperm tail. Dorsal margin of the acrosomal	
	segment.	
Purification	The antibody was affinity-purified from rabbit	
	antiserum by affinity-chromatography using	
	epitope-specific immunogen.	
Clonality	Polyclonal	
Concentration	1 mg/ml	
Observed band		
Human Gene ID	10566	
Human Swiss-Prot Number	075969	
Alternative Names	AKAP3; AKAP110; SOB1; A-kinase anchor protein 3;	
	AKAP-3; A-kinase anchor protein 110 kDa; AKAP	
	110; Cancer/testis antigen 82; CT82; Fibrous sheath	
	protein of 95 kDa; FSP95; Fibrousheathin I;	
	Fibrousheathin-1; Protein kinase A-anchoring prot	



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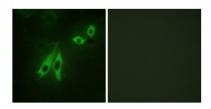
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Background

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],

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





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