

## DATASHEET

# AKAP3 Rabbit Polyclonal Antibody

CAT. NO. APA09099

### KEY FEATURES

Target	AKAP3	Source / Host	Rabbit
Reactivity	Human, Mouse, Rat	Clonality	Polyclonal
Applications	WB, IF/ICC	Conjugation	Unconjugated
Form / Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.		Storage at -20°C

### BACKGROUND

Structural component of sperm fibrous sheath . Required for the formation of the subcellular structure of the sperm flagellum, sperm motility and male fertility .

### APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:1000
IF/ICC	1:100 - 1:500

\*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

### PRODUCT OVERVIEW

Description	Rabbit polyclonal antibody to AKAP3
Specificity	Recognizes endogenous levels of AKAP3 protein.
Antibody Type	Primary antibody
Immunogen	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human AKAP3. The exact sequence is proprietary.
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 94 kD; Observed: 95 kD
Form/Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	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 protein 3; PRKA3; Sperm oocyte-binding protein
Gene Symbol	AKAP3
Entrez Gene	10566(Human); 11642(Mouse)
SwissProt	O75969(Human); O88987(Mouse)

\*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact [info@arexbio.com](mailto:info@arexbio.com) or your local distributor.

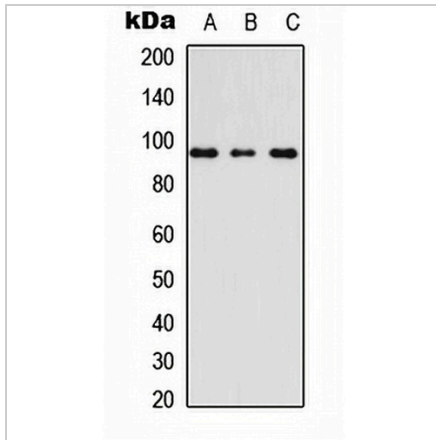
\*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

**DATASHEET**

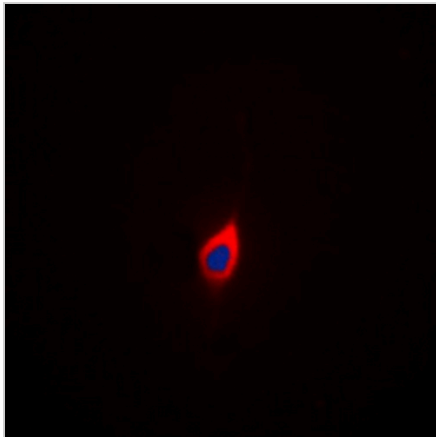
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**DATA**



Western blot analysis of AKAP3 expression in Raw264.7 (A), HeLa (B), H9C2 (C) whole cell lysates. (Predicted band size: 94 kD; Observed band size: 95 kD)



Immunofluorescent analysis of AKAP3 staining in HeLa 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).

**STORAGE**

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

**NOTE**

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.