

**DATASHEET**

**AKAP7 Rabbit Polyclonal Antibody**

CAT. NO. APA14036

**KEY FEATURES**

Target	AKAP7	Source / Host	Rabbit
Reactivity	Mouse, Rat	Clonality	Polyclonal
Applications	WB	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**

Targets the cAMP-dependent protein kinase (PKA) to the plasma membrane, and permits functional coupling to the L-type calcium channel. The membrane-associated form reduces epithelial sodium channel (ENaC) activity, whereas the free cytoplasmic form may negatively regulate ENaC channel feedback inhibition by intracellular sodium.

**APPLICATION**

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

WB	1:500 - 1:2000
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\*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

**PRODUCT OVERVIEW**

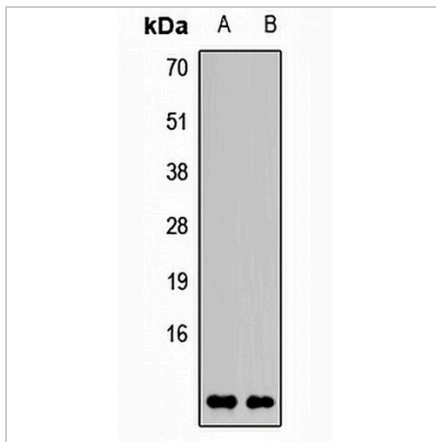
Description	Rabbit polyclonal antibody to AKAP7
Specificity	Recognizes endogenous levels of AKAP7 protein.
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human AKAP7
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 8; Observed: 14 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	AKAP15; AKAP18; A-kinase anchor protein 7 isoforms alpha and beta; AKAP-7 isoforms alpha and beta; A-kinase anchor protein 18 kDa; AKAP 18; Protein kinase A-anchoring protein 7 isoforms alpha/beta; PRKA7 isoforms alpha/beta
Gene Symbol	AKAP7
Entrez Gene	9465(Human); 432442(Mouse)
SwissProt	O43687(Human); O55074(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.

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**DATA**

Western blot analysis of AKAP7 expression in mouse brain (A), rat brain (B) whole cell lysates. (Predicted band size: 8; 11; 39 kD; Observed band size: 14 kD)

**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.