10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

AKAP7 antibody - middle region

Rabbit Polyclonal Antibody
Catalog # AI10966

Product Information

Application	WB
Primary Accession	Q9P0M2
Other Accession	NM_016377, NP_057461
Reactivity	Human, Mouse, Rat, Rabbit, Dog, Horse, Bovine
Predicted	Human, Mouse, Rat, Rabbit, Dog, Horse, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	39518

Additional Information

Gene ID	9465
Alias Symbol	AKAP18, AKAP15
Other Names	A-kinase anchor protein 7 isoform gamma, AKAP-7 isoform gamma, A-kinase anchor protein 18 kDa, AKAP 18, Protein kinase A-anchoring protein 7 isoform gamma, PRKA7 isoform gamma, AKAP7, AKAP18
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 100 ul of distilled water. Final anti-AKAP7 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	AKAP7 antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

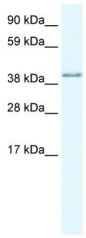
Name	AKAP7
Synonyms	AKAP18
Function	Probably targets cAMP-dependent protein kinase (PKA) to the cellular membrane or cytoskeletal structures. The membrane-associated form reduces epithelial sodium channel (ENaC) activity, whereas the free cytoplasmic form may negatively regulate ENaC channel feedback inhibition by intracellular sodium.
Cellular Location	Nucleus. Cytoplasm

Tissue Location	Expressed in brain, heart, lung, pancreas and placenta.

References

Brown,R.L., et al., (2003) Biochem. Biophys. Res. Commun. 306 (2), 394-401Reconstitution and Storage:For short term use, store at 2-8C up to 1 week. For long term storage, store at -20C in small aliquots to prevent freeze-thaw cycles.

Images



WB Suggested Anti-AKAP7 Antibody Titration: 1.25µg/ml
ELISA Titer: 1:1562500
Positive Control: Human brain

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.