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AKAP7 Rabbit pAb

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Catalog # AP54702

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	O43687
Reactivity	Rat, Human
Predicted	Pig, Mouse, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	11465
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human AKAP7
Epitope Specificity	31-80/104
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Apical cell membrane. Targeted predominantly to the apical membrane and Lateral cell membrane. Targeted predominantly to the lateral membrane.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	A kinase (PRKA) anchor protein 7; A kinase anchor protein 18 kD; A Kinase Anchor Protein 7; A Kinase Anchor Protein 7 Isoform Alpha; A kinase anchor protein 7 isoform beta; A kinase anchor protein 7 isoform gamma; A kinase anchor protein 7 isoforms alpha and beta; A kinase anchor protein 9 kDa; A Kinase Anchoring Protein 18; A-kinase anchor protein 18 kDa; A-kinase anchor protein 7 isoforms alpha and beta; AKA7A_HUMAN; AKAP 18; AKAP 7; AKAP-7 isoforms alpha and beta; AKAP15; AKAP18; Akap7; HGNC377; OTTHUMP00000040266; Protein kinase A anchoring protein 7; Protein kinase A anchoring protein 7 isoform alpha; Protein kinase A anchoring protein 7 isoform beta; Protein kinase A anchoring protein 7 isoform gamma; Protein kinase A anchoring protein 7 isoforms alpha/beta; Protein kinase A-anchoring protein 7 isoforms alpha/beta.

Additional Information

Gene ID	9465
Other Names	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, AKAP7, AKAP15, AKAP18
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500

Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

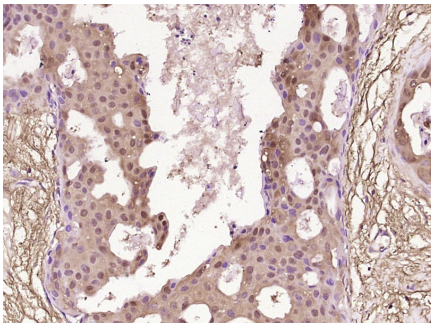
Protein Information

Name	AKAP7
Synonyms	AKAP15, AKAP18
Function	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.
Cellular Location	[Isoform Alpha]: Lateral cell membrane; Lipid- anchor. Note=Targeted predominantly to the lateral membrane
Tissue Location	Expressed in brain, heart, lung, pancreas and skeletal muscle.

Background

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Images



Paraformaldehyde-fixed, paraffin embedded (Human breast carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (AKAP7) Polyclonal Antibody, Unconjugated (AP54702) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.

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