

AKAP7 antibody - middle region

Rabbit Polyclonal Antibody

Catalog # AI10967

Product Information

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|--------------------------|---|
| 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

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|-------------------------------------|---|
| 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

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|--------------------------|---|
| 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 |

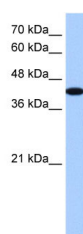
Tissue Location

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

References

Gold,M.G., (2008) J. Mol. Biol. 375 (5), 1329-1343 Reconstitution 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
Positive Control: HepG2 cell lysate
AKAP7 is supported by BioGPS gene expression data to be expressed in HepG2

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