

AKAP4 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP14462a**Specification**

AKAP4 Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [Q5JQC9](#)**AKAP4 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 8852**Other Names**

A-kinase anchor protein 4, AKAP-4, A-kinase anchor protein 82 kDa, AKAP 82, hAKAP82, Major sperm fibrous sheath protein, HI, Protein kinase A-anchoring protein 4, PRKA4, AKAP4 (http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=374), AKAP82

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

AKAP4 Antibody (N-term) Blocking Peptide - Protein Information**Name** AKAP4 ([HGNC:374](#))**Synonyms** AKAP82**Function**

Major structural component of sperm fibrous sheath (PubMed: <http://www.uniprot.org/citations/9822690>). Plays a role in sperm motility (PubMed: <http://www.uniprot.org/citations/34415320>), PubMed: <http://www.uniprot.org/citations/9822690>).

Cellular Location

Cell projection, cilium, flagellum. Note=Localizes to the principle piece of the sperm flagellum.

Tissue Location

Testis specific; only expressed in round spermatids.

AKAP4 Antibody (N-term) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

AKAP4 Antibody (N-term) Blocking Peptide - Images

AKAP4 Antibody (N-term) Blocking Peptide - Background

The A-kinase anchor proteins (AKAPs) are a group of structurally diverse proteins, which have the common function of binding to the regulatory subunit of protein kinase A (PKA) and confining the holoenzyme to discrete locations within the cell. This gene encodes a member of the AKAP family. The encoded protein is localized to the sperm flagellum and may be involved in the regulation of sperm motility. Alternative splicing of this gene results in two transcript variants encoding different isoforms.

AKAP4 Antibody (N-term) Blocking Peptide - References

Moretti, E., et al. Asian J. Androl. 9(5):641-649(2007) Lefievre, L., et al. Proteomics 7(17):3066-3084(2007) Ross, M.T., et al. Nature 434(7031):325-337(2005) Brown, P.R., et al. Biol. Reprod. 68(6):2241-2248(2003) Ficarro, S., et al. J. Biol. Chem. 278(13):11579-11589(2003)