

**AKAP3 Antibody (Center) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP8515c****Specification**

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**AKAP3 Antibody (Center) Blocking Peptide - Product Information**Primary Accession [O75969](#)**AKAP3 Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 10566**Other Names**

A-kinase anchor protein 3, AKAP-3, A-kinase anchor protein 110 kDa, AKAP 110, Cancer/testis antigen 82, CT82, Fibrous sheath protein of 95 kDa, FSP95, Fibrousheathin I, Fibrousheathin-1, Protein kinase A-anchoring protein 3, PRKA3, Sperm oocyte-binding protein, AKAP3, AKAP110, SOB1

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP8515c](/products/AP8515c) was selected from the Center region of human AKAP3. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**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.

**AKAP3 Antibody (Center) Blocking Peptide - Protein Information****Name** AKAP3 {ECO:0000303|PubMed:35228300, ECO:0000312|HGNC:HGNC:373}**Function**

Structural component of sperm fibrous sheath (By similarity). Required for the formation of the subcellular structure of the sperm flagellum, sperm motility and male fertility (PubMed:<http://www.uniprot.org/citations/35228300> target="\_blank">35228300</a>).

**Cellular Location**

Cytoplasmic vesicle, secretory vesicle, acrosome {ECO:0000250|UniProtKB:O88987}. Cell projection, cilium, flagellum {ECO:0000250|UniProtKB:O88987}. Note=Dorsal margin of the acrosomal segment. Ribs of the fibrous sheath in the principal piece of the sperm tail. {ECO:0000250|UniProtKB:O88987}

**Tissue Location**

Testis specific; only expressed in spermatids.

**AKAP3 Antibody (Center) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

**AKAP3 Antibody (Center) Blocking Peptide - Images****AKAP3 Antibody (Center) Blocking Peptide - Background**

AKAP3 may function as a regulator of both motility-and head-associated functions such as capacitation and the acrosome reaction.

**AKAP3 Antibody (Center) Blocking Peptide - References**

Lefevre,A.,et.al., Biochem. Biophys. Res. Commun. 259 (1), 60-66 (1999)