

AKAP3 Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP8515c

Specification

AKAP3 Antibody (Center) - Product Information

Application	WB,E
Primary Accession	O75969
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	94751
Antigen Region	240-267

AKAP3 Antibody (Center) - 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

This AKAP3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 240-267 amino acids from the Central region of human AKAP3.

Dilution

WB~~1:1000

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

AKAP3 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

AKAP3 Antibody (Center) - 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:[35228300](#)).

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

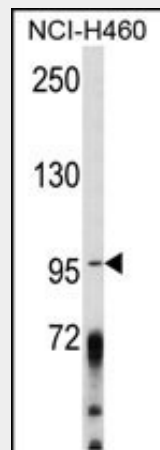
Testis specific; only expressed in spermatids.

AKAP3 Antibody (Center) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

AKAP3 Antibody (Center) - Images



Western blot analysis of AKAP3 Antibody (Center) (Cat. #AP8515c) in NCI-H460 cell line lysates (35ug/lane). AKAP3 (arrow) was detected using the purified Pab.

AKAP3 Antibody (Center) - Background

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

AKAP3 Antibody (Center) - References

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