



Rabbit Anti-AKAP associated Sperm Protein antibody

SL7903R

Product Name:	AKAP associated Sperm Protein
Chinese Name:	精子相关蛋白AKAP抗体
Alias:	AKAP associated sperm protein; ASP; FLJ23003; FLJ25776; Radial spoke head 11 homolog; Rhophilin associated tail protein 1 like; ROPN1 like protein; ropporin 1 like; Ropporin 1 like protein; RSPH11.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Horse,Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	26kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human ASP/AKAP associated Sperm Protein:21-100/230
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. 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.
PubMed:	PubMed
Product Detail:	AKAP associated sperm protein (encoded by the gene ROPN1L) is a sperm protein which interacts with A-kinase anchoring protein, AKAP3, through the amphipathic

helix region of AKAP3. The Type II regulatory subunit of cAMP-dependent protein kinase (PKARII) also binds to this helical domain of AKAP3, allowing PKARII to be targeted to specific subcellular compartments. It is suggested that sperm contains several proteins that bind to AKAPs in a manner similar to PKARII, and this encoded protein may be one of them.

Subcellular Location:

Cytoplasmic

Similarity:

Belongs to the ropporin family.

Contains 1 RIIa domain.

SWISS:

Q96C74

Gene ID:

83853

Database links:

[Entrez Gene: 83853](#)Human

[Entrez Gene: 252967](#)Mouse

[Entrez Gene: 685646](#)Rat

[Omim: 611756](#)Human

[SwissProt: Q96C74](#)Human

[SwissProt: Q9EQ00](#)Mouse

[Unigene: 381089](#)Human

[Unigene: 436668](#)Mouse

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.