



## Rabbit Anti-SPAG6 antibody

SL12291R

<b>Product Name:</b>	SPAG6
<b>Chinese Name:</b>	精子相关抗原6抗体
<b>Alias:</b>	PF16; PF16 protein homolog; Protein PF16 homolog; Repro SA 1; Repro-SA-1; SPAG6; SPAG6_HUMAN; Sperm associated antigen 6; Sperm flagellar protein; Sperm-associated antigen 6.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Dog,Pig,Cow,Horse,
<b>Applications:</b>	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	55kDa
<b>Cellular localization:</b>	cytoplasmic
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human SPAG6:233-290/509
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	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.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	The correlation of anti-sperm antibodies with cases of unexplained infertility implicates a role for these antibodies in blocking fertilization. Improved diagnosis and treatment of immunologic infertility, as well as identification of proteins for targeted contraception, are dependent on the identification and characterization of relevant sperm antigens. The protein expressed by this gene is recognized by anti-sperm antibodies from an infertile

man. This protein localizes to the tail of permeabilized human sperm and contains eight contiguous armadillo repeats, a motif known to mediate protein-protein interactions. Studies in mice suggest that this protein is involved in sperm flagellar motility and maintenance of the structural integrity of mature sperm. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2011].

**Function:**

Important for structural integrity of the central apparatus in the sperm tail and for flagellar motility.

**Subunit:**

Interacts with SPAG16 and SPAG17 (By similarity).

**Subcellular Location:**

Cytoplasm, cytoskeleton. Cell projection, cilium, flagellum. Note=Associated with microtubules. Detected on the sperm flagellum.

**Tissue Specificity:**

Highly expressed in testis.

**Similarity:**

Contains 8 ARM repeats.

**SWISS:**

O75602

**Gene ID:**

9576

**Database links:**

[Entrez Gene: 539424](#)Cow

[Entrez Gene: 9576](#)Human

[Entrez Gene: 50525](#)Mouse

[Entrez Gene: 100286811](#)Pig

[Entrez Gene: 360747](#)Rat

[Entrez Gene: 734748](#)Xenopus laevis

[Entrez Gene: 548730](#)Xenopus tropicalis

[Omim: 605730](#)Human

[SwissProt: O75602](#)Human

[SwissProt: Q9JL17](#)Mouse

**Important Note:**

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