

bs-12291R**[Primary Antibody]****SPAG6 Rabbit pAb**

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— DATASHEET —

Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) ICC/IF (1:100-500) ELISA (1:5000-10000) Reactivity: (predicted: Human, Mouse, Rat, Pig, Cow, Dog, Horse) Predicted MW.: 55 kDa Subcellular Location: Cytoplasm
Clonality: Polyclonal		
GeneID: 9576	SWISS: O75602	
Target: SPAG6		
Immunogen: KLH conjugated synthetic peptide derived from human SPAG6: 233-290/509.		
Purification: affinity purified by Protein A		
Concentration: 1mg/ml		
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		
Background: 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].		

— SELECTED CITATIONS —

- **[IF=3.905]** Fen Xu. et al. Lipoxin A4 and its analog attenuate high fat diet-induced atherosclerosis via Keap1/Nrf2 pathway. Exp Cell Res. 2022 Mar;412:113025 IF ;Rat. 35026282
- **[IF=2.884]** Rong Bai. et al. SPAG6 c.900 T>C affects boar semen quality and blood–testis barrier function by creating a new splice acceptor site. ANIM GENET. 2023 May; WB,ICC ;Pig. 37211688
- **[IF=2.6]** Wang Lei. et al. Investigating cigarette smoke-induced airway inflammation and sperm activity impairment in rats based on cilia-associated proteins. 3 BIOTECH. 2025 May;15(5):1-13 IHC,WB ;Rat. 40260407