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Rabbit Anti-SPAG17 antibody

SL9596R

Product Name:	SPAG17
Chinese Name:	精子相关抗原17抗体
Alias:	PF6; FLJ34497; Projection protein PF6 homolog; RP4 776P7.2; SPAG17; Sperm-associated antigen 17; SPG17_HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800Flow-Cyt=1ug/TestICC=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.
Molecular weight:	252kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human SPAG17:741-840/2223
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:	SPAG17 (sperm associated antigen 17), also known as PF6, is a 2,223 amino acid cytoplamic protein that colocalizes with SPAG6 to microtubles. Highly expressed in testis and in organs that contain cilia-bearing cells including brain, oviduct, lung, and uterus, SPAG17 may be important for the structural integrity of the central apparatus of the sperm axoneme. SPAG17 contains two LRR (leucine-rich) repeats and may also participate in flagellar motility and male fertility.

Function:
Seems to be important for the structural integrity of the central apparatus of the sperm axoneme.

Subunit:
Interacts (via the C-terminus) with SPAG6; the interaction probably occurs on polymerized microtubules (By similarity).

Subcellular Location:
Cytoplasm. Cytoplasm > cytoskeleton > flagellum axoneme. Detected in the cytoplasm of round spermatids and in condensing spermatids. Localized to the central pair of the sperm flagellar axoneme. Colocalizes with SPAG6 on microtubules.

Tissue Specificity:
Highly expressed in testis. Expressed in organs that contain cilia-bearing cells including brain, oviduct, lung, and uterus.

SWISS:
Q6Q759

Gene ID:
200162

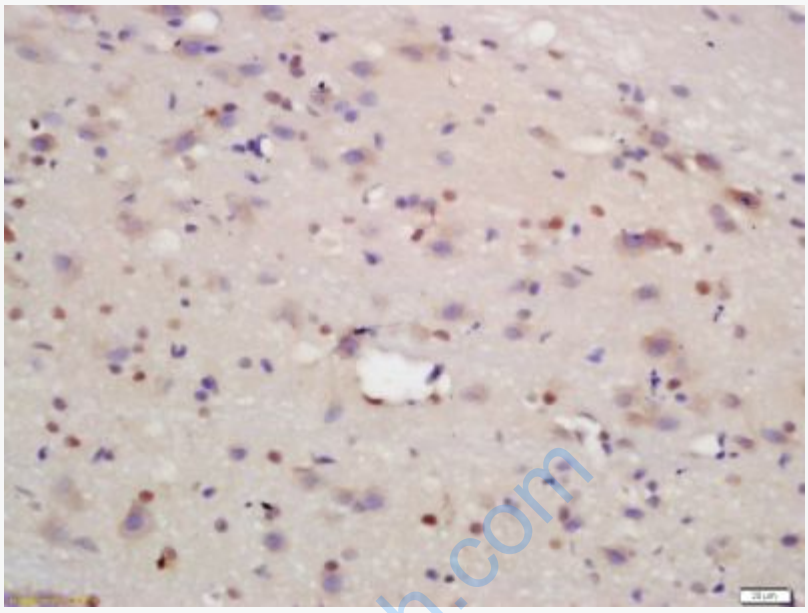
Database links:

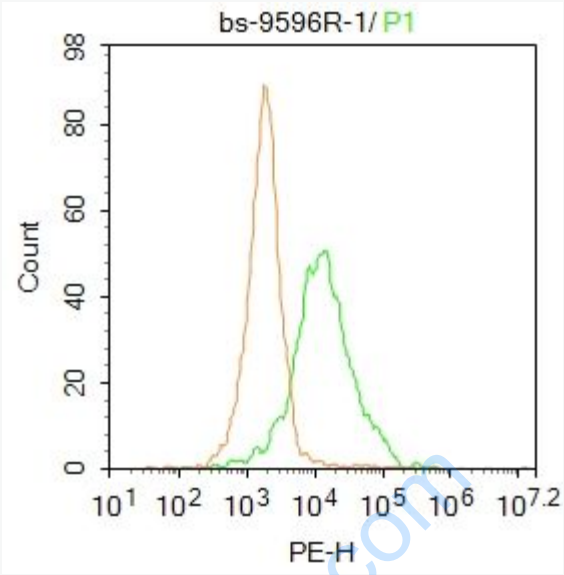
Entrez Gene: 200162Human

SwissProt: Q6Q759Human

Unigene: 528821Human

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

Picture:	 Tissue/cell: mouse brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37℃ for 20 min; Incubation: Anti-SPAG17 Polyclonal Antibody, Unconjugated(SL9596R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Blank control: HL60. Primary Antibody (green line): Rabbit Anti-SPAG17 antibody (SL9596R) Dilution: 1µg /10^6 cells; Isotype Control Antibody (orange line): Rabbit IgG . Secondary Antibody : Goat anti-rabbit IgG-PE Dilution: 1µg /test. Protocol The cells were fixed with 4% PFA (10min at room temperature)and then permeabilized with PBST for 20 min at room temperature. The cells were then incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at at room temperature .Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.