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SPAG6 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP20398b

Product Information

Application	WB, E
Primary Accession	O75602
Other Accession	Q9JLI7
Reactivity	Human
Predicted	Mouse, Rat, Bovine, Canine, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB42917
Calculated MW	55476
Antigen Region	422-448

Additional Information

Gene ID	9576
Other Names	Sperm-associated antigen 6, Protein PF16 homolog, Repro-SA-1, Sperm flagellar protein, SPAG6, PF16
Target/Specificity	This SPAG6 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 422-448 amino acids from the C-terminal region of human SPAG6.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
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	SPAG6 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

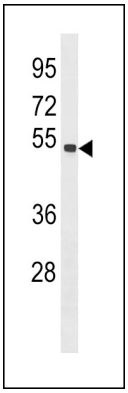
Name	SPAG6
Synonyms	PF16

Function	Important for structural integrity of the central apparatus in the sperm tail and for flagellar motility.
Cellular Location	Cytoplasm, cytoskeleton. Cell projection, cilium, flagellum. Cytoplasm, cytoskeleton, cilium axoneme {ECO:0000250|UniProtKB:Q9JLI7}. Note=Associated with microtubules Detected on the sperm flagellum (PubMed:10493827). Localizes in the cilium axoneme in a SPEF1-dependent manner (By similarity) {ECO:0000250|UniProtKB:Q9JLI7, ECO:0000269|PubMed:10493827}
Tissue Location	Highly expressed in testis.

Background

Important for structural integrity of the central apparatus in the sperm tail and for flagellar motility (By similarity).

Images



SPAG6 Antibody (C-term) (Cat. #AP20398b) western blot analysis in MDA-MB453 cell line lysates (35ug/lane).This demonstrates the SPAG6 antibody detected the SPAG6 protein (arrow).

Citations

- Transient scrotal hyperthermia affects human sperm DNA integrity, sperm apoptosis, and sperm protein expression.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.