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SPATC1 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP10622a

Product Information

Application	WB, IHC-P, E
Primary Accession	Q76KD6
Other Accession	Q148B6, NP_001127846.1, NP_940974.2
Reactivity	Human, Mouse
Predicted	Rat, Bovine, Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB28379
Calculated MW	62399
Antigen Region	1-30

Additional Information

Gene ID	375686
Other Names	Speriolin, Spermatogenesis and centriole-associated protein 1, Spermatogenesis-associated protein 15, Spermatogenic cell-specific Cdc20-binding protein, SPATC1, SPATA15, SPRN
Target/Specificity	This SPATC1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human SPATC1.
Dilution	WB~~1:1000 IHC-P~~1:100~500 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	SPATC1 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

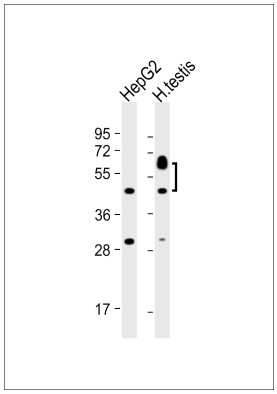
Name	SPATC1
Synonyms	SPATA15, SPRN

Cellular Location	Cytoplasm. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome Note=Colocalizes with the centrosomal pericentrin protein PCNT1 (By similarity). Located in the connecting piece of sperm. {ECO:0000250, ECO:0000269|PubMed:20542897}
Tissue Location	Detected only in testis.

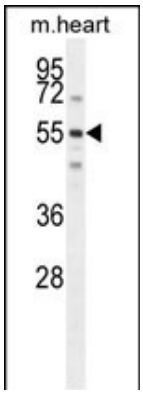
References

Goto, M., et al. Hum. Reprod. 25(8):1884-1894(2010)
Goto, M., et al. J. Biol. Chem. 279(40):42128-42138(2004)

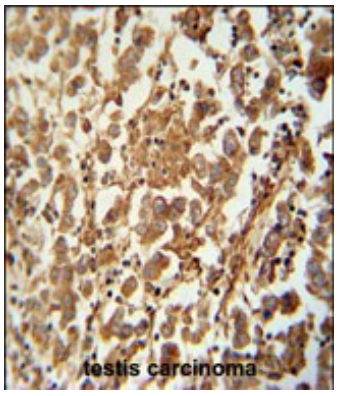
Images



All lanes : Anti-SPATC1 Antibody (N-term) at 1:1000 dilution Lane 1: HepG2 whole cell lysate Lane 2: human testis lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 62kDa Blocking/Dilution buffer: 5% NFDM/TBST.



SPATC1 Antibody (N-term) (Cat. #AP10622a) western blot analysis in mouse heart tissue lysates (35ug/lane).This demonstrates the SPATC1 antibody detected the SPATC1 protein (arrow).



SPATC1 antibody (N-term) (Cat. #AP10622a) immunohistochemistry analysis in formalin fixed and paraffin embedded human testis carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the SPATC1 antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.

Citations

- Alteration of sperm protein profile induced by cigarette smoking.

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