10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

SPT19 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP13095b

Product Information

Application	WB, IHC-P, E
Primary Accession	Q7Z5L4
Other Accession	NP_777587.1
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB27658
Calculated MW	19186
Antigen Region	122-150

Additional Information

Gene ID	219938
Other Names	Spermatogenesis-associated protein 19, mitochondrial, Spermatogenic cell-specific gene 1 protein, Spergen-1, SPATA19, SPERGEN1
Target/Specificity	This SPT19 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 122-150 amino acids from the C-terminal region of human SPT19.
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	SPT19 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	SPATA19
Synonyms	SPERGEN1
Function	Essential for sperm motility and male fertility (By similarity). Plays an

	important role in sperm motility by regulating the organization and function of the mitochondria and is also required for correct sperm midpiece assembly (By similarity).
Cellular Location	Mitochondrion outer membrane {ECO:0000250|UniProtKB:Q9DAQ9}. Mitochondrion {ECO:0000250|UniProtKB:Q9DAQ9}. Cell projection, cilium, flagellum {ECO:0000250|UniProtKB:Q9DAQ9}. Note=Localizes to the midpiece of the sperm flagellum. {ECO:0000250|UniProtKB:Q9DAQ9}
Tissue Location	Expressed specifically in testis.

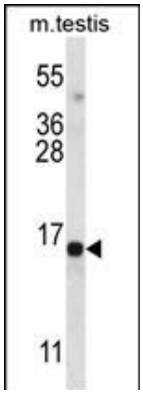
Background

SPT19 may have a role in spermiogenesis.

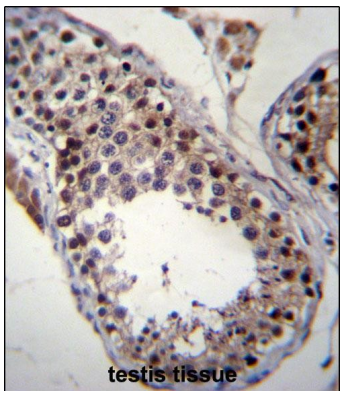
References

Ghafouri-Fard, S., et al. Br. J. Dermatol. 162(4):772-779(2010)
Stolk, L., et al. Nat. Genet. 41(6):645-647(2009)
Lamesch, P., et al. Genomics 89(3):307-315(2007)
Olsen, J.V., et al. Cell 127(3):635-648(2006)
Olsen, J.V., et al. Cell 127(3):635-648(2006)

Images



SPT19 Antibody (C-term) (Cat. #AP13095b) western blot analysis in mouse testis tissue lysates (35ug/lane).This demonstrates the SPT19 antibody detected the SPT19 protein (arrow).



SPT19 Antibody (C-term) (Cat. #AP13095b)immunohistochemistry analysis in formalin fixed and paraffin embedded human testis tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of SPT19 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.

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