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ODF3 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP11800b

Product Information

Application	WB, IHC-P, E
Primary Accession	Q96PU9
Other Accession	NP_444510.2
Reactivity	Human, Mouse
Predicted	Rat, Bovine, Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB29316
Calculated MW	27710
Antigen Region	170-199

Additional Information

Gene ID	113746
Other Names	Outer dense fiber protein 3, Outer dense fiber of sperm tails protein 3, Sperm tail protein SHIPPO 1, Transcript induced in spermiogenesis protein 50, ODF3, SHIPPO1, TISP50
Target/Specificity	This ODF3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 170-199 amino acids from the C-terminal region of human ODF3.
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	ODF3 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	CIMAP1A (HGNC:19905)
Function	Outer dense fibers are filamentous structures located on the outside of the

	axoneme in the midpiece and principal piece of the mammalian sperm tail. May help to maintain the passive elastic structures and elastic recoil of the sperm tail.
Cellular Location	Cytoplasm {ECO:0000250|UniProtKB:Q920N1}. Cytoplasm, cytoskeleton, flagellum axoneme {ECO:0000250|UniProtKB:Q920N1}. Note=Expressed in the cytoplasmic lobe of spermatids. {ECO:0000250|UniProtKB:Q920N1}
Tissue Location	Testis-specific. {ECO:0000269|PubMed:11870087, ECO:0000269|Ref.2}

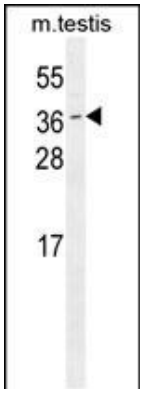
Background

ODF3 is a component of sperm flagella outer dense fibers, which add stiffness, elastic recoil, and protection against shearing forces during sperm movement.

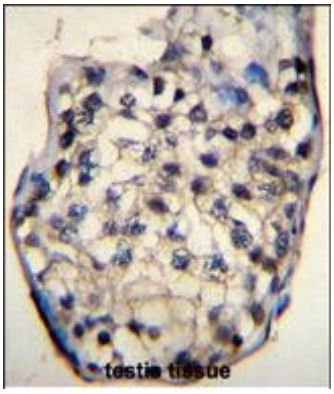
References

Soranzo, N., et al. Nat. Genet. 41(11):1182-1190(2009)
Egydio de Carvalho, C., et al. Biol. Reprod. 66(3):785-795(2002)

Images



ODF3 Antibody (C-term) (Cat. #AP11800b) western blot analysis in mouse testis tissue lysates (35ug/lane).This demonstrates the ODF3 antibody detected the ODF3 protein (arrow).



ODF3 Antibody (C-term) (Cat. #AP11800b)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 ODF3 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'.