



## Rabbit Anti-CT135/ODF3 antibody

SL9406R

<b>Product Name:</b>	CT135/ODF3
<b>Chinese Name:</b>	Tumour/睾丸抗原135抗体
<b>Alias:</b>	Cancer/testis antigen 135; CT135; hSHIPPO; odf3; ODF3A_HUMAN; Outer dense fiber of sperm tails 3; Outer dense fiber of sperm tails protein 3; Outer dense fiber protein 3; SHIPPO1; Sperm tail protein SHIPPO 1; Sperm tail protein SHIPPO1; TISP50; Transcript induced in spermiogenesis protein 50.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Dog,Cow,Horse,Rabbit,Sheep,
<b>Applications:</b>	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:50-200 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	28kDa
<b>Cellular localization:</b>	cytoplasmic
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human ODF3/CT135:101-200/254
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	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.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	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. Constituting the main cytoskeletal structure of spermatid flagella, outer dense fibers

(ODFs) add elastic recoil, stiffness and protection against shear forces during sperm movement. Human ODFs consist of approximately 10 major and at least 15 minor proteins. The major proteins of the ODF include Odf1, Odf2, and Odf3, which compose a family of proteins that are preferentially expressed during mammalian spermiogenesis. Odf3 (outer dense fiber protein 3), also known as sperm tail protein SHIPPO 1 and TISP50 (transcript induced in spermiogenesis protein 50), is a 254 amino acid protein that is expressed during the latter part of spermatogenesis in flagella of elongated spermatids and mature sperm. Odf proteins are directed to their exact subcellular location by Spags, which are characterized as chaperone-like Odf-binding molecules. There are two isoforms of Odf3 that are produced as a result of alternative splicing events.

**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.

**Subcellular Location:**

Cytoplasm. Expressed in the cytoplasmic lobe of spermatids.

**Tissue Specificity:**

Testis-specific.

**Similarity:**

Belongs to the ODF3 family.

Contains 2 STPGR (Sperm-tail PG-rich) repeats.

**SWISS:**

Q96PU9

**Gene ID:**

113746

**Database links:**

[Entrez Gene: 113746](#)Human

[Entrez Gene: 69287](#)Mouse

[Omim: 608356](#)Human

[SwissProt: Q96PU9](#)Human

[SwissProt: Q920N1](#)Mouse

[Unigene: 350949](#)Human

**Important Note:**

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

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