

## Product datasheet for **TA379446**

### ODF2 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	ICC/IF, WB
Recommended Dilution:	WB,1:500 - 1:2000 IF,1:50 - 1:200
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 630-829 of human ODF2 (NP_702911.1).
Formulation:	Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Concentration:	lot specific
Purification:	Affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C. Avoid freeze / thaw cycles.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	66kDa/73kDa/75kDa/80kDa/88kDa/93kDa/95kDa
Gene Name:	outer dense fiber of sperm tails 2
Database Link:	<a href="#">Entrez Gene 4957 Human Q5BJF6</a>



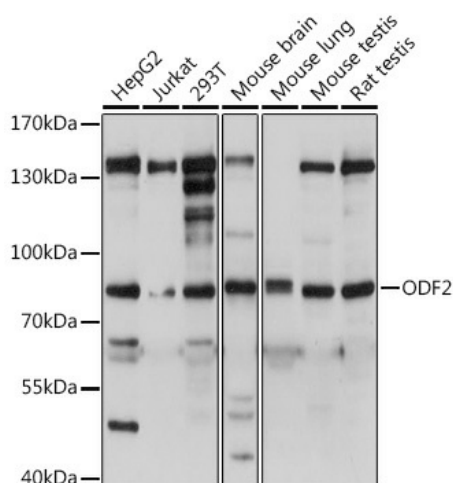
[View online »](#)

**Background:**

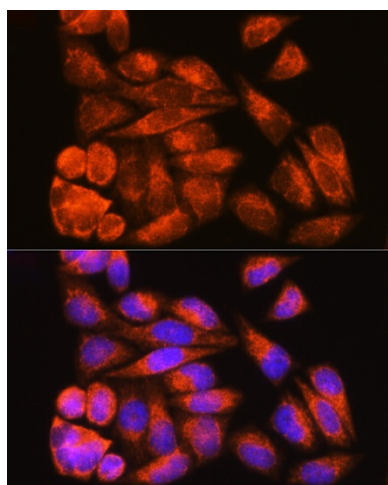
The outer dense fibers are cytoskeletal structures that surround the axoneme in the middle piece and principal piece of the sperm tail. The fibers function in maintaining the elastic structure and recoil of the sperm tail as well as in protecting the tail from shear forces during epididymal transport and ejaculation. Defects in the outer dense fibers lead to abnormal sperm morphology and infertility. This gene encodes one of the major outer dense fiber proteins. Alternative splicing results in multiple transcript variants. The longer transcripts, also known as 'Cenexins', encode proteins with a C-terminal extension that are differentially targeted to somatic centrioles and thought to be crucial for the formation of microtubule organizing centers.

**Synonyms:**

Cenexin; FLJ44866; MGC9034; MGC111096; ODF2/1; ODF2/2; ODF84

**Product images:**


Western blot analysis of extracts of various cell lines, using ODF2 antibody (TA379446) at dilution. | Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. | Lysates/proteins: 25ug per lane. | Blocking buffer: 3% nonfat dry milk in TBST. | Detection: ECL Basic Kit. | Exposure time: 3s.



Immunofluorescence analysis of HeLa cells using ODF2 Rabbit pAb (TA379446) at dilution of 1:100. Blue: DAPI for nuclear staining.