

## ODF2 (phospho S796) polyclonal antibody

Catalog # PAB9991

Size 100 ug

### Specification

<b>Product Description</b>	Rabbit polyclonal antibody raised against synthetic phosphopeptide of ODF2.
<b>Immunogen</b>	Synthetic phosphopeptide corresponding to residues surrounding S796 of human ODF2.
<b>Host</b>	Rabbit
<b>Reactivity</b>	Chimpanzee, Human, Macaque
<b>Specificity</b>	This antibody is specific to human Cenexin-1 protein phosphorylated at S796.
<b>Form</b>	Liquid
<b>Quality Control Testing</b>	Antibody Reactive Against Synthetic Peptide.
<b>Recommend Usage</b>	ELISA (1:2000-1:10000) Western Blot (1:200-1:2000) The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	In 20 mM KH <sub>2</sub> PO <sub>4</sub> , 150 mM NaCl, pH 7.2 (0.01% sodium azide)
<b>Storage Instruction</b>	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

### Applications

- Western Blot
- Immunohistochemistry
- Enzyme-linked Immunoabsorbent Assay

## Gene Info — ODF2

Entrez GeneID	<a href="#">4957</a>
Protein Accession#	<a href="#">ABE01857;Q6UN26</a>
Gene Name	ODF2
Gene Alias	FLJ44866, MGC111096, MGC9034, ODF2/1, ODF2/2, ODF84
Gene Description	outer dense fiber of sperm tails 2
Omim ID	<a href="#">602015</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	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. Multiple protein isoforms are encoded by transcript variants of this gene; however, not all isoforms and variants have been fully described. [provided by RefSeq]
Other Designations	OTTHUMP00000022273 OTTHUMP00000022274 cenexin 1 outer dense fiber of sperm tails, 84-kD outer dense fibre of sperm tails 2 sperm tail structural protein

## Publication Reference

- [Requirement of hCenexin for proper mitotic functions of polo-like kinase 1 at the centrosomes.](#)  
 Soung NK, Kang YH, Kim K, Kamijo K, Yoon H, Seong YS, Kuo YL, Miki T, Kim SR, Kuriyama R, Giam CZ, Ahn CH, Lee KS.  
 Molecular and Cellular Biology 2006 Nov; 26(22):8316.
- [Keratins: unraveling the coordinated construction of scaffolds in spermatogenic cells.](#)  
 Kierszenbaum AL.  
 Molecular Reproduction and Development 2002 Jan; 61(1):1.  
 Application: WB, Human, Spermatogenic cells
- [Outer dense fibre proteins from human sperm tail: molecular cloning and expression analyses of two cDNA transcripts encoding proteins of approximately 70 kDa.](#)  
 Petersen C, Füzesi L, Hoyer-Fender S.  
 Molecular Human Reproduction 1999 Jul; 5(7):627.

## Disease

- [Tobacco Use Disorder](#)