

## Product datasheet for **AP09381PU-N**

### ODF2 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, WB
Recommended Dilution:	ELISA: 1/2,000 - 1/10,000. Western Blot: 1/200 - 1/2,000.
Reactivity:	Chimpanzee, Human, Monkey
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Synthetic peptide corresponding to residues near the carboxy terminus
Specificity:	This antibody is specific for Cenexin-1 protein.
Formulation:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 containing 0.01% (w/v) Sodium Azide State: Aff - Purified State: Liquid
Concentration:	lot specific
Purification:	Affinity chromatography
Conjugation:	Unconjugated
Storage:	Store the antibody at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	outer dense fiber of sperm tails 2
Database Link:	<a href="#">Entrez Gene 4957 Human</a> <a href="#">Q5BJF6</a>



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**Background:**

Cenexin-1, also known as ODF2 and outer dense fiber of sperm tails 2, 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. Cenexin-1 is one of the major outer dense fiber proteins. Multiple protein isoforms are encoded by transcript variants of the cenexin gene; however, not all isoforms and variants have been fully described.

**Synonyms:**

Cenexin