

Product datasheet for **TA319407**

ODF2 Rabbit Polyclonal Antibody

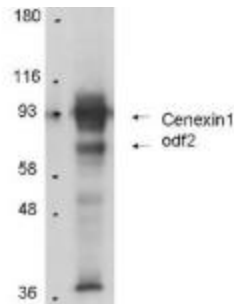
Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	ELISA: 1:500-1:10,000, WB: 1:500-1:2000
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	This protein-A purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a truncated recombinant protein hCenexin1.
Formulation:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	outer dense fiber of sperm tails 2
Database Link:	NP_702918 Entrez Gene 4957 Human Q5BJF6
Synonyms:	1; 2; CT134; ODF2; ODF84

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Note:

This antibody is suitable for Cancer, Immunology and Nuclear Signaling research. Cenexin-1 (ODF84) and cenexin-2 are splicing variants that are expressed from the same genetic locus Outer Dense Fiber protein 2 (ODF2). Cenexin-1 and cenexin-2, regarded as centriolar proteins. Cenexin-1, a 93-kD variant of ODF2, is the major form of cennexin expressed in various somatic cells and tissues and associates with centrosomes. Cenexin-1 contains a unique C-terminal extension that appears to play a critical role in recruiting mitotic regulators such as polo-like kinase 1. In contrast, ODF2, a 70-kDa protein, is a major component of sperm tail cytoskeleton and abundantly expressed in testis. Additional evidence suggests that both of these proteins play important role in primary cilia formation. 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.

Product images:


Anti-Cenexin-1 in Western Blot using Immunochemical's Protein A Purified Anti-Cenexin-1 antibody shows detection of Cenexin-1 in total cell lysates from mouse F9 embryonic carcinoma cells. Arrowheads show detection of Cenexin-1 at approximately 93kDa and Outer dense fiber protein 2 (ODF2) at approximately 70kDa. In personal communication with K. Lee, CCR-NCI, Bethesda, MD.