Datasheet for ABIN233844

anti-ODF2 antibody (C-Term)

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Overview

Quantity:	100 µg
Target:	ODF2
Binding Specificity:	C-Term
Reactivity:	Human, Chimpanzee, Macaque
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ODF2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Purpose:	Cenexin-1 Antibody
Immunogen:	Immunogen: This affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to residues near the carboxy terminus. Immunogen Type: Conjugated Peptide
Isotype:	IgG
Cross-Reactivity (Details):	This antibody is specific for human Cenexin-1 protein.
Characteristics:	Synonyms: rabbit anti-Cenenxin1 antibody, anti-Cenenxin-1, anti-Cenenxin 1, ODF84 antibody, Outer dense fiber of sperm tail 2, Cenexin1 variant 1 antibody, KKT 4 antibody, Outer dense fiber protein 2, ODF2
Purification:	This product was affinity purified from monospecific antiserum by immunoaffinity

Product Details

	chromatography using peptide coupled to agarose beads.
Sterility:	Sterile filtered

Target Details

Target:	ODF2
Alternative Name:	ODF2 (ODF2 Products)
Background:	Background: This antibody is designed, produced, and validated as part of a collaboration with the National Cancer Institute (NCI) and is suitable for Cancer, Immunology and Nuclear Signaling research. 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.
Gene ID:	4957
NCBI Accession:	NP_702915
UniProt:	Q5BJF6
Pathways:	M Phase

Application Details

Application Notes:	Immunohistochemistry Dilution: User Optimized Application Note: This affinity purified antibody has been tested for use in ELISA and western blotting. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately 93 kDa in size corresponding to Cenexin-1 by western blotting in the appropriate cell lysate or extract. Western Blot Dilution: 1:200 - 1:2,000 ELISA Dilution: 1:2,000 - 1:10,000 Other: User Optimized
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1.1 mg/mL
Buffer:	Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 Stabilizer: None Preservative: 0.01 % (w/v) Sodium Azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiry Date:	12 months

Publications

Product cited in:	Gaume, Tassin, Ugrinova, Mongelard, Monier, Bouvet: "Centrosomal nucleolin is required for microtubule network organization." in: **Cell cycle (Georgetown, Tex.)**, Vol. 14, Issue 6, pp. 902-19, (2015) (PubMed).