

Datasheet for ABIN233845
anti-ODF2 antibody (pSer796)[Go to Product page](#)

2 Images

Overview

Quantity:	100 µg
Target:	ODF2
Binding Specificity:	pSer796
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ODF2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	This affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to residues near S796 of human cenexin-1.
Isotype:	IgG
Cross-Reactivity:	Chimpanzee, Macaque
Characteristics:	Concentration Definition: by UV absorbance at 280 nm

Target Details

Target:	ODF2
Alternative Name:	Cenexin-1 (ODF2 Products)

Target Details

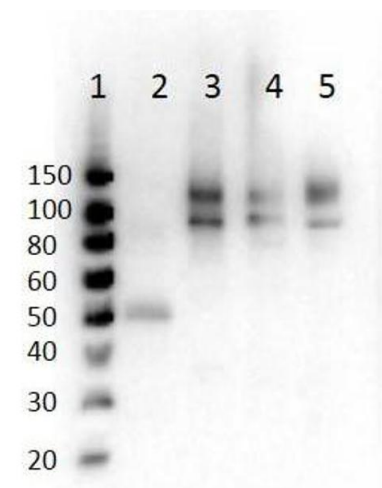
Background:	<p>Cenexin-1, also known as ODF2 and outer dense fiber of sperm tails 2, are cytoskeletal structures that surround the axoneme in the middle piece and principal piece of the sperm tail. The fibers function in maintaining the elastic structure and recoil of the sperm tail as well as in protecting 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.</p> <p>Synonyms: ODF84 antibody, Outer dense fiber of sperm tail 2 antibody, Cenexin1 variant 1 antibody, KKT 4 antibody</p>
Gene ID:	4957
NCBI Accession:	NP_702915
UniProt:	Q5BJF6
Pathways:	M Phase

Application Details

Application Notes:	<p>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 phosphorylated Cenexin-1 by western blotting in the appropriate cell lysate or extract. This phospho-specific polyclonal antibody reacts with human Cenexin-1 pS796 and shows minimal reactivity by ELISA against the non-phosphorylated form of the immunizing peptide.</p>
Restrictions:	For Research Use only

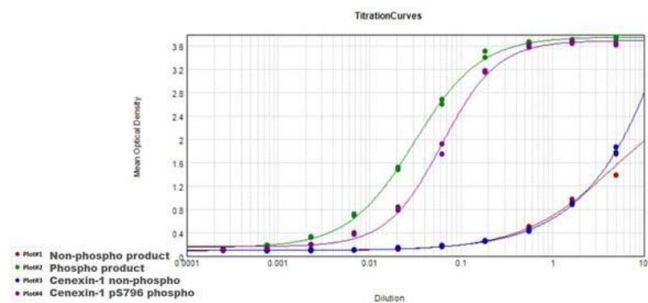
Handling

Format:	Liquid
Concentration:	1.1 mg/mL
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
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:	-20 °C



Western Blotting

Image 1. Western Blot of Rabbit Anti-Cenexin-1 pS796. Lane 1: Human Semen Lysate. Lane 2: MCF7 WCL. Lane 3: Molt 4 WCL. Lane 4: HeLa WCL. Load: 10µg per lane. Primary Antibody: 1µg/mL blocked with overnight at 2-8°C. Secondary Antibody: Goat anti-Rabbit HRP 1:40,000 diluted in for 30 minutes at RT. Expect: 93kDa.



ELISA

Image 2. ELISA of Rabbit Anti-Cenexin-1 pS796 Antibody. Antigen: BSA conjugates of Cenexin-1 pS796 and S796. Coating amount: 0.1 µg per well. Primary antibody: Cenexin-1 pS796 Lot 35048 at 5 µg/mL. Secondary antibody: Peroxidase goat anti-rabbit secondary antibody at 1:8,500. Substrate: TMB .