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antibody and ELISA experts

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3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

Anti-Phospho-Cenexin-1 S796 ODF2 Antibody

Catalog Number: P05599

About ODF2

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.

Overview

Product Name	Anti-Phospho-Cenexin-1 S796 ODF2 Antibody
Reactive Species	Human, Chimpanzee, Macaque monkey
Description	Boster Bio Anti-Phospho-Cenexin-1 S796 ODF2 Antibody (Catalog # P05599). Tested in ELISA, WB applications. This antibody reacts with Human, Chimpanzee, Macaque Monkey.
Application	ELISA, WB
Clonality	Polyclonal
Formulation	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2, 0.01% (w/v) Sodium Azide
Storage Instructions	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. Expiration date is one (1) year from date of opening.
Host	Rabbit
Uniprot ID	Q5BJF6

Technical 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.
Predicted Reactive Species	Chimpanzee, Macaque
Cross Reactivity	No cross reactivity with other proteins.
Isotype	IgG
Form	Liquid (sterile filtered)
Concentration	1.0 mg/mL by UV absorbance at 280 nm

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Purification	This product was affinity purified from monospecific antiserum by immunoaffinity chromatography using phospho-peptide coupled to agarose beads followed by solid phase adsorption against nonphospho-peptide. This antibody is specific for human Cenexin-1 protein phosphorylated at S796. A BLAST analysis was used to suggest cross-reactivity with Cenexin-1 from human, chimpanzee and macaque based on 100% homology with the immunizing sequence. Cross-reactivity with Cenexin-1from other sources has not been determined.
Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this kit. If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples. Some PubMed article(s) citing the expression level of this target are as follows: Boster Bio's internal QC testing used: ELISA: 1:2,000 - 1:10,000 IHC: User optimized WB: 1:200 - 1:2,000

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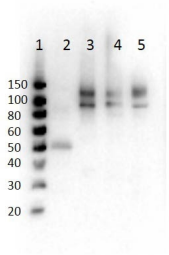
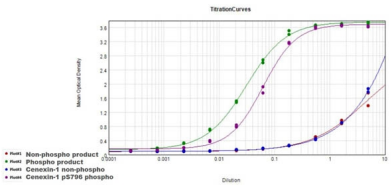
Anti-Phospho-Cenexin-1 S796 ODF2 Antibody (P05599) Images



Western blot analysis of Cenexin-1 expression in human Semen Lysate (lane 1), MCF7 WCL (lane 2), Molt 4 WCL (lane 3) and HeLa WCL (lane 4). Cenexin-1 at 93KD was detected using rabbit anti-Cenexin-1 pS796 Antigen Affinity purified polyclonal antibody (Catalog # P05599) at 1 ug/mL. The blot was developed using chemiluminescence (ECL) method (Catalog # EK1002).



ELISA of Rabbit Anti-Cenexin-1 pS796 Antibody (Catalog # P05599) at 5

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