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antibody and ELISA experts

BOSTER BIOLOGICAL TECHNOLOGY
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Anti-CRISP2 Antibody

Catalog Number: A10681

About CRISP2

The cysteine-rich secretory proteins (CRISP) family is a group of four proteins that are strongly expressed in the male reproductive tract and have been implicated in having roles in male fertility. CRISP2, also known as TPX1, has been implicated in the adhesion between spermatids and Sertoli cells, and with CRISP1, is thought to be involved in sperm-egg fusion. CRISP2 has been shown to regulate the Ca2+ influx through ryanodine receptors (RYR) and may influence the acrosome reaction or sperm motility. CRISP2 has also been shown to bind to the mitogen-activated protein kinase kinase kinase 11 (MAP3K11) and localizes to the developing acrosome, suggesting this CRISP2-MAP3K11 complex may have a role in acrosome development.

Overview

Product Name	Anti-CRISP2 Antibody
Reactive Species	Human
Description	Boster Bio Anti-CRISP2 Antibody (Catalog # A10681). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human.
Application	ELISA, IF, IHC-P, WB
Clonality	Polyclonal Clone: SK7
Formulation	CRISP2 Antibody is supplied in PBS containing 0.02% sodium azide.
Storage Instructions	CRISP2 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. Avoid repeated freeze-thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	P16562

Technical Details

Immunogen	CRISP2 antibody was raised against a 15 amino acid synthetic peptide near the amino terminus of human CRISP2. The immunogen is located within the first 50 amino acids of CRISP2.
Predicted Reactive Species	Bovine, Chicken
Cross Reactivity	At least three isoforms of MTERFD2 are known to exist. MTERFD2 antibody is predicted to not cross-react with other MTERFD protein family members.
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL

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Purification	CRISP2 Antibody is affinity chromatography purified via peptide column.
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: CRISP2 antibody can be used for detection of CRISP2 by Western blot at 0.5 - 1 ug/mL. Antibody can also be used for immunohistochemistry starting at 10 ug/mL. For immunofluorescence start at 20 ug/mL. Antibody validated: Western Blot in human samples; Immunohistochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

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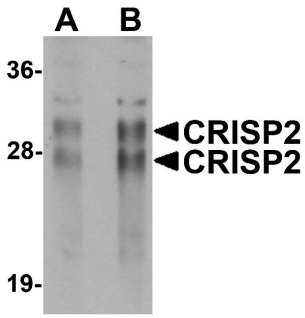
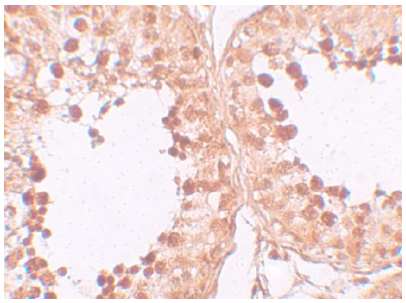
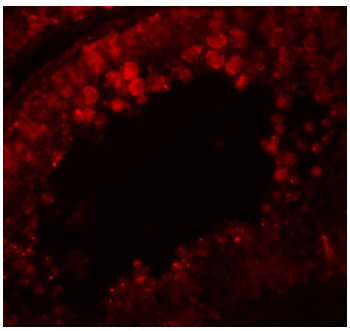
Anti-CRISP2 Antibody (A10681) Images



Western blot analysis of CRISP2 in human testis tissue lysate with CRISP2 antibody at (A) 0.5 and (B) 1 ug/mL.



Immunohistochemistry of CRISP2 in human testis tissue with CRISP2 antibody at 10 ug/mL.



Immunofluorescence of CRISP in human testis tissue with CRISP antibody at 20 ug/mL.