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antibody and ELISA experts

BOSTER BIOLOGICAL TECHNOLOGY
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Anti-MAD2L1 Antibody

Catalog Number: A00785

About MAD2L1

MAD2L1 (also called mitotic spindle assembly checkpoint protein, MAD2A, MAD2-like 1 and HsMAD2) is a component of the mitotic spindle assembly checkpoint monitors the process of kinetochore-spindle attachment and delays the onset of anaphase when this process is not complete. MAD2L1 inhibits the activity of the anaphase-promoting complex by sequestering CDC20 until all chromosomes are aligned at the metaphase plate. MAD2L1 is related to the MAD2L2 gene located on chromosome 1. A MAD2 pseudogene has been mapped to chromosome 14. This protein has a nuclear localization.

Overview

Product Name	Anti-MAD2L1 Antibody
Reactive Species	Human
Description	Boster Bio Anti-MAD2L1 Antibody (Catalog # A00785). Tested in ELISA, WB applications. This antibody reacts with Human.
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. (Ship on dry ice.)
Host	Rabbit
Uniprot ID	Q13257

Technical Details

Immunogen	This affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to N-terminal region near amino acid residues 1-25 of Human MAD2L1 protein.
Predicted Reactive Species	African Green Monkey, Chimpanzee, Zebrafish
Cross Reactivity	No cross reactivity with other proteins.
Isotype	IgG
Form	Liquid (sterile filtered)

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Concentration	1.19 mg/mL by UV absorbance at 280 nm
Purification	This affinity purified antibody is directed against human MAD2L1 protein. The product was affinity purified from monospecific antiserum by immunoaffinity purification. A BLAST analysis was used to suggest reactivity with this protein from human, dog, macaque, chimpanzee and gecko based on 100% homology for the immunogen sequence. Cross-reactivity with MAD2L1 may occur from mouse and chicken sources, as only a two amino acid residue change is found within the immunogen sequence (90% positive by BLAST). Cross-reactivity with MAD2L1 homologues from 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 IF Microscopy: User optimized WB: 1:500 - 1:2,000

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Anti-MAD2L1 Antibody (A00785) Images

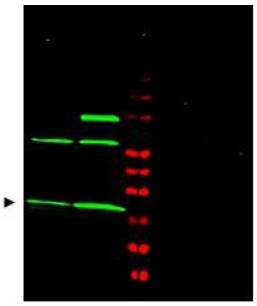

Figure 1. Western blot analysis of MAD2L1 using anti-MAD2L1 antibody (A00785).
Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50ug of sample under reducing conditions.
After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-MAD2L1 antigen affinity purified polyclonal antibody (Catalog # A00785) at 0.5 ug/mL overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-Rabbit IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # SA1022) with Tanon 5200 system. A specific band was detected for MAD2L1.