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Datasheet for 200-301-461

MAD2L1 Antibody

Overview

Description:	Anti-MAD2L1 (MOUSE) Monoclonal Antibody - 200-301-461
Item No.:	200-301-461
Size:	100 µg
Applications:	IP, WB
Reactivity:	Human
Host Species:	Mouse

Product Details

Background:	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. This protein has a nuclear localization. A MAD2 pseudogene has been mapped to chromosome 14.
Synonyms:	mouse anti-MAD2L1 antibody, Mitotic arrest deficient yeast homolog like 1 antibody, Mitotic spindle assembly checkpoint protein antibody
Host Species:	Mouse
Clonality:	Monoclonal
Clone ID:	17D10
Format:	IgG1

Target Details

Gene Name:	MAD2L1
Reactivity:	Human
Immunogen Type:	Recombinant Protein

Immunogen:	This protein A purified monoclonal antibody was produced by repeated immunizations with full-length recombinant human MAD2L1 protein.
Purity/Specificity:	This Protein A purified antibody is directed against human MAD2L1 protein. The product was purified from tissue culture supernatant by chromatography. This antibody has only been tested on human cells. Reactivity against homologues from other sources is not known.
Relevant Links:	• UniProtKB - Q13257 • NCBI - 4505067 • GeneID - 4085

Application Details

Tested Applications:	IP, WB
Application Note:	This protein A purified antibody has been tested for use in immunoprecipitation and by western blot. This antibody is not applicable for immunofluorescence microscopy. Specific conditions for reactivity should be optimized by the end user. Expect a predominant band at ~ 24 kDa corresponding to full-length protein by western blotting in the appropriate cell lysate or extract.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:5,000 - 1:20,000
IP:	1:100
WB:	1:200 - 1:2,000

Formulation

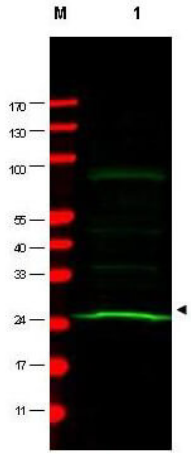
Physical State:	Liquid (sterile filtered)
Concentration:	1.0 mg/mL by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.01% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

Shipping Condition:	Dry Ice

Storage Condition:	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:	Expiration date is one (1) year from date of receipt.

Images



Western Blot
Western blot using Rockland's Mab anti-MAD2L1 antibody shows detection of a band at ~24 kDa (arrowhead) corresponding to MAD2L1 present in a HeLa whole cell lysate (p/n W09-000-364). Approximately 75 µg of lysate was separated by 4-20% TG SDS-PAGE. After blocking, the membrane was probed overnight at 4°C with the primary antibody diluted to 1:200. The membrane was washed and reacted with a 1:5,000 dilution of IRDye™800 conjugated Sh-a-Mouse IgG [H&L] (p/n 610-632-002) for 45 min at room temperature (800 nm channel, green). Molecular weight estimation was made by comparison to prestained MW markers in lane M (700 nm channel, red). IRDye™800 fluorescence image was captured using the Odyssey® Infrared Imaging System developed by LI-COR. IRDye is a trademark of LI-COR, Inc. Other detection systems will yield similar results.

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