Datasheet for ABIN129587

anti-MAD2L1 antibody

1 Image

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Overview

Quantity:	100 µg
Target:	MAD2L1
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MAD2L1 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 amino acid residues 3-13 of Human MAD2L1 protein.
Isotype:	IgG
Characteristics:	Concentration Definition: by UV absorbance at 280 nm

Target Details

Target:	MAD2L1
Alternative Name:	MAD2L1 (MAD2L1 Products)
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

Target Details

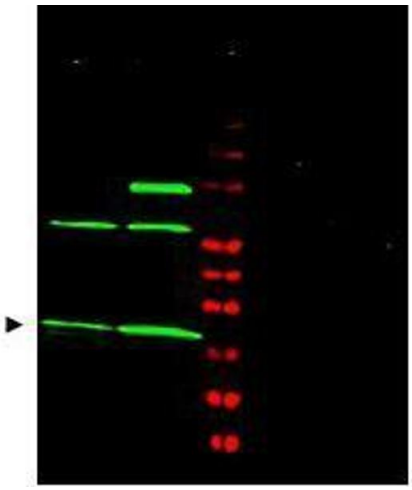
	complete. MAD2L1 inhibits the activity of the anaphase-promoting complex by sequestering CDC20 until all chromosomes are aligned at the metaphase plate. MAD2L1 is related to the MAD2L2 gene located on chromosome 1. A MAD2 pseudogene has been mapped to chromosome 14. This protein has a nuclear localization. Synonyms: Homolog of MAD2 S cerevisiae antibody, HsMAD 2 antibody, HsMAD2 antibody, Human mitotic feedback control protein Madp2 antibody, MAD 2 antibody, MAD 2 like 1 antibody, MAD 2 like protein 1 antibody
Gene ID:	4085, 4505067
UniProt:	Q13257

Application Details

Application Notes:	This affinity purified antibody has been tested for use in ELISA and by western blot. 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.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1.19 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 using Affinity Purified anti-MAD2L1 antibody shows detection of a predominant band at ~24 kDa corresponding to MAD2L1 (arrowhead) present in Jurkat (lane 1) and HeLa (lane 2) whole cell lysates using the 800 nm channel (green). The identity of the higher molecular weight bands is unknown, although they may represent complexes of MAD2L1 with related binding proteins. Specific band reactivity is blocked when the antibody is pre-incubated with immunizing peptide (lanes 4 and 5 respectively) which completely blocks antibody staining. ~ 35 ug of lysate was separated on a 4-20% Tris-glycine gel by SDS-PAGE and transferred onto nitrocellulose. After blocking the membrane was probed with the primary antibody diluted to 1:1200. Incubation was 2h at room temperature followed by washes and reaction with a 1:10,000 dilution of800 conjugated Gt-a-Rabbit IgG [H&L] MXHu for 45 min at room temperature. Molecular weight markers were used for size comparison using the 700 nm channel (lane 3).800 fluorescence image was captured using the Infrared Imaging System developed by LI-COR. IRDye is a trademark of LI-COR, Inc. Other detection systems will yield similar results.

