

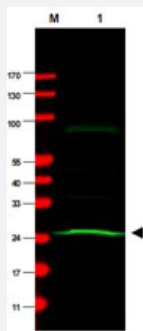
MAD2L1 monoclonal antibody, clone 17D10

Catalog # MAB1926

Size 100 ug

Applications

Western Blot (Cell lysate)



Western blot using MAD2L1 monoclonal antibody, clone 17D10 (Cat # MAB1926) shows detection of a band at ~24 kDa (arrowhead) corresponding to MAD2L1 present in a HeLa whole cell lysate (Lane 1).

Approximately 75 ug 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] 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.

Specification

Product Description	Mouse monoclonal antibody raised against full length recombinant.
Immunogen	Recombinant protein corresponding to full length human MAD2L1.
Host	Mouse
Reactivity	Human
Form	Liquid
Isotype	IgG1

Quality Control Testing	Antibody Reactive Against Recombinant Protein.
Recommend Usage	Western Blot (1:200-1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In 20 mM KH ₂ PO ₄ , 150 mM NaCl, pH 7.2 (0.01% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

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Approximately 75 ug 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] 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).

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- Immunoprecipitation

- Enzyme-linked Immunoabsorbent Assay

Gene Info — MAD2L1

Entrez GeneID	4085
Protein Accession#	Q13257;NP_002349
Gene Name	MAD2L1
Gene Alias	HSMAD2, MAD2
Gene Description	MAD2 mitotic arrest deficient-like 1 (yeast)
Omim ID	601467
Gene Ontology	Hyperlink

Gene Summary

MAD2L1 is a component of the mitotic spindle assembly checkpoint that prevents the onset of anaphase until all chromosomes are properly 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. [provided by RefSeq]

Other Designations

MAD2 (mitotic arrest deficient, yeast, homolog)-like 1|MAD2-like 1|MAD2-like protein 1|mitotic arrest deficient, yeast, homolog-like 1

Publication Reference

- [Kinetochore structure and function.](#)

Chan GK, Liu ST, Yen TJ.

Trends in Cell Biology 2005 Nov; 15(11):589.

Application: IF, WB, Human, Human mammalian cells

- [The RanGAP1-RanBP2 complex is essential for microtubule-kinetochore interactions in vivo.](#)

Joseph J, Liu ST, Jablonski SA, Yen TJ, Dasso M.

Current Biology 2004 Apr; 14(7):611.

Application: IF, Human, RGG cells

- [Purification of the mitotic checkpoint complex, an inhibitor of the APC/C from HeLa cells.](#)

Sudakin V, Yen TJ.

Methods in Molecular Biology 2004 Jan; 281:199.

Application: WB, Human, HeLa cells

Pathway

- [Cell cycle](#)

Disease

- [Alcoholism](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Carcinoma](#)

- [Genetic Predisposition to Disease](#)
- [Lung Neoplasms](#)