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Product datasheet for TA319545

MAD2 (MAD2L1) Mouse Monoclonal Antibody [Clone ID: 17D10]

Product data:

Product Type:	Primary Antibodies
Clone Name:	17D10
Applications:	WB
Recommended Dilution:	ELISA: 1:5,000 - 1:20,000, WB: 1:200 - 1:2,000, IP: 1:100
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Immunogen:	This protein A purified monoclonal antibody was produced by repeated immunizations with full-length recombinant human MAD2L1 protein.
Formulation:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	MAD2 mitotic arrest deficient-like 1 (yeast)
Database Link:	NP_002349 Entrez Gene 4085 Human Q13257
Synonyms:	HSMAD2; MAD2
Note:	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
Protein Families:	Druggable Genome
Protein Pathways:	Cell cycle, Oocyte meiosis, Progesterone-mediated oocyte maturation

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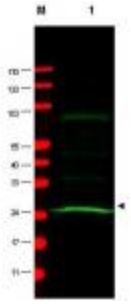
Product images:



WB using anti-MAD2L1 antibody 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? 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 RT.

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