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Anti-MAD2L1 / MAD2 Antibody
Rabbit Anti Human Polyclonal Antibody
Catalog # ALS17355

Specification

Anti-MAD2L1 / MAD2 Antibody - Product Information

Application	**WB, IHC-P, IF**
Primary Accession	Q13257
Predicted	**Human, Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**IgG**
Calculated MW	**23510**

Anti-MAD2L1 / MAD2 Antibody - Additional Information

Gene ID 4085

Alias Symbol	**MAD2L1**

Other Names
MAD2L1, HSMAD2, MAD2, MAD2-like protein 1

Target/Specificity
Human MAD2L1 / MAD2

Reconstitution & Storage
PBS, pH 7.3, 0.02% sodium azide, 50% glycerol. Long term: -80°C; Short term: -20°C. Avoid freeze-thaw cycles.

Precautions
Anti-MAD2L1 / MAD2 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Anti-MAD2L1 / MAD2 Antibody - Protein Information

Name MAD2L1

Synonyms MAD2

Function
Component of the spindle-assembly checkpoint that prevents the onset of anaphase until all chromosomes are properly aligned at the metaphase plate (PubMed:29162720, PubMed:15024386). In the closed conformation (C-MAD2) forms a heterotetrameric complex with MAD1L1 at unattached kinetochores during prometaphase, the complex recruits open conformation molecules of MAD2L1 (O-MAD2) and then promotes the conversion of O-MAD2 to C-MAD2 (PubMed:29162720). Required for

the execution of the mitotic checkpoint which monitors the process of kinetochore-spindle attachment and inhibits the activity of the anaphase promoting complex by sequestering CDC20 until all chromosomes are aligned at the metaphase plate (PubMed:10700282, PubMed:11804586, PubMed:15024386).

Cellular Location
Nucleus. Chromosome, centromere, kinetochore. Cytoplasm. Cytoplasm, cytoskeleton, spindle pole Note=Recruited by MAD1L1 to unattached kinetochores (Probable) Recruited to the nuclear pore complex by TPR during interphase Recruited to kinetochores in late prometaphase after BUB1, CENPF, BUB1B and CENPE. Kinetochore association requires the presence of NEK2 Kinetochore association is repressed by UBD. Sequestered to the cytoplasm upon interaction with isoform 3 of MAD1L1 (PubMed:19010891) {ECO:0000269|PubMed:19010891, ECO:0000305}

Anti-MAD2L1 / MAD2 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-MAD2L1 / MAD2 Antibody - Images