

MAD2L1 / MAD2 Antibody (aa3-13)
Rabbit Polyclonal Antibody
Catalog # ALS11340**Specification**

MAD2L1 / MAD2 Antibody (aa3-13) - Product Information

Application	IHC
Primary Accession	Q13257
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	24kDa KDa

MAD2L1 / MAD2 Antibody (aa3-13) - Additional Information**Gene ID** 4085**Other Names**

Mitotic spindle assembly checkpoint protein MAD2A, HsMAD2, Mitotic arrest deficient 2-like protein 1, MAD2-like protein 1, MAD2L1, MAD2

Target/Specificity

Amino acid residues 3-13 of Human MAD2L1 protein.

Reconstitution & Storage

+4°C or -20°C, Avoid repeated freezing and thawing.

Precautions

MAD2L1 / MAD2 Antibody (aa3-13) is for research use only and not for use in diagnostic or therapeutic procedures.

MAD2L1 / MAD2 Antibody (aa3-13) - 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

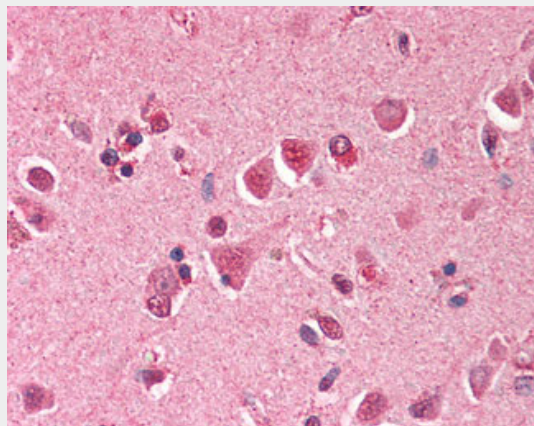
Nucleus. Chromosome, centromere, kinetochore. Cytoplasm. Cytoplasm, cytoskeleton, spindle pole Note=Recruited by MAD1L1 to unattached kinetochores (Probable) Recruited to the nuclear pore complex by TPR during interphase Recruited to kinetochores in late prometaphase after BUB1, CENPF, BUB1B and CENPE. 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}

MAD2L1 / MAD2 Antibody (aa3-13) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

MAD2L1 / MAD2 Antibody (aa3-13) - Images



Anti-MAD2L1 antibody IHC of human brain, cortex.

MAD2L1 / MAD2 Antibody (aa3-13) - Background

Component of the spindle-assembly checkpoint that prevents the onset of anaphase until all chromosomes are properly aligned at the metaphase plate. 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.

MAD2L1 / MAD2 Antibody (aa3-13) - References

Li Y.,et al.Science 274:246-248(1996).

Gemma A.,et al.Lung Cancer 32:289-295(2001).

Jin D.-Y.,et al.Submitted (JUL-1995) to the EMBL/GenBank/DDBJ databases.

Klebert S.,et al.Submitted (OCT-1997) to the EMBL/GenBank/DDBJ databases.

Nobori T.,et al.Submitted (FEB-2001) to the EMBL/GenBank/DDBJ databases.