

Rabbit MAD1L1 Polyclonal Antibody | anti-MAD1L1 antibody

MAD1L1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA326066	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

MAD1L1; Polyclonal Antibody; MAD1L1 Antibody; hMAD1; HsMAD1; MAD1; MAD1 mitotic arrest deficient like 1 (yeast); MAD1-like protein 1; MD1L1_HUMAN; Mitotic arrest deficient 1; Mitotic arrest deficient 1-like protein 1; Mitotic checkpoint MAD1 protein homolog; Mitotic spindle assembly checkpoint protein MAD1; PIG9; Tax binding protein 181; Tax-binding protein 181; TP53I9; Tumor protein p53 inducible protein 9; TXBP181; anti-MAD1L1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	MAD1L1 antibody detects endogenous levels of total MAD1L1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	718
Applicable Applications for anti-MAD1L1 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human MAD1L1
Subcellular Location	Nucleus. Chromosome > Centromere > Kinetochore. Cytoplasm > Cytoskeleton > Microtubule Organizing Center > Centrosome. Cytoplasm > Cytoskeleton > Spindle. From the beginning to the end of mitosis, it is seen to move from a diffusely nuclear distribution to the centrosome, to the spindle midzone and finally to the midbody. Colocalizes with NEK2 at the kinetochore.
Tissue Specificity	Expressed weakly at G0/G1 and highly at late S and G2/M phase.
Predicted Cross Reactivity	Pig, Bovine, Horse, Dog
Similarity	Pig (100%), Bovine (100%), Horse (100%), Dog (92%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohiostchemistry)
AAA326066 at 1/100 staining Rat heart tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)
Western blot analysis of Hela whole cell lysates, using MAD1L1 Antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-MAD1L1 antibody	Description: MAD1L1 is a component of the mitotic spindle-assembly checkpoint that prevents the onset of anaphase until all chromosome are properly aligned at the metaphase plate. MAD1L1 functions as a homodimer and interacts with MAD2L1. MAD1L1 may play a role in cell cycle control and tumor suppression. Three transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Jul 2008] Function: Component of the spindle-assembly checkpoint that prevents the onset of anaphase until all chromosomes are properly aligned at the metaphase plate. May recruit MAD2L1 to unattached kinetochores. Has a role in the correct positioning of the septum. Required for anchoring MAD2L1 to the nuclear periphery. Binds to the TERT promoter and represses telomerase expression, possibly by interfering with MYC binding. Subunit Structure: Homodimer. Heterodimerizes with MAD2L1 in order to form a tetrameric MAD1L1-MAD2L1 core complex (PubMed:9546394, PubMed:18981471, PubMed:22351768, PubMed:12006501). Perturbation of the original MAD1L1-MAD2L1 structure by the spindle checkpoint may decrease MAD2L1 affinity for MAD1L1. CDC20 can compete with MAD1L1 for MAD2L1 binding, until the attachment and/or tension dampen the checkpoint signal, preventing further release of MAD2L1 on to CDC20. Also able to interact with the BUB1/BUB3 complex (PubMed:10198256). Interacts with NEK2 (PubMed:14978040). Interacts with TPR; the interactions occurs in a microtubule-independent manner (PubMed:18981471, PubMed:19273613, PubMed:20133940). Interacts with IK (PubMed:22351768). Interacts with the viral Tax protein (PubMed:9546394). Post-translational Modifications: Phosphorylated; by BUB1. Become hyperphosphorylated in late S through M phases or after mitotic spindle damage. Similarity: Belongs to the MAD1 family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	62243369
NCBI GeneID	8379
NCBI Accession #	NP_001013858.1
NCBI GenBank Nucleotide #	NM_001013836.1
UniProt Accession #	Q9Y6D9; Q13312; Q75MI0; Q86UM4; Q9UNH0; B3KR41
Molecular Weight	Observed: 83 kDa Predicted: 84 kDa
NCBI Official Full Name	mitotic spindle assembly checkpoint protein MAD1 isoform a
NCBI Official Synonym Full Names	mitotic arrest deficient 1 like 1
NCBI Official Symbol	MAD1L1
NCBI Official Synonym Symbols	MAD1; PIG9; TP53I9; TXBP181
NCBI Protein Information	mitotic spindle assembly checkpoint protein MAD1
UniProt Protein Name	Mitotic spindle assembly checkpoint protein MAD1
UniProt Gene Name	MAD1L1
UniProt Synonym Gene Names	MAD1; TXBP181; MAD1-like protein 1; HsMAD1; hMAD1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/mad111-antibody-immunohistochemistry-western-blot-elisa/326066>