

Rabbit MAD2L2 Polyclonal Antibody | anti-MAD2L2 antibody

MAD2L2 Antibody

CATALOG # AAA323112	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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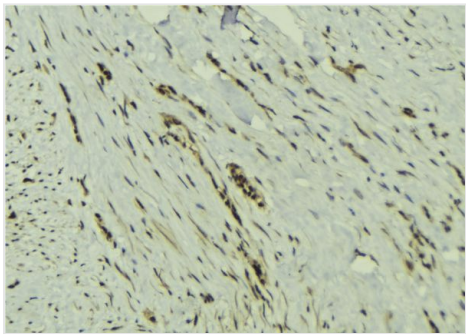
PRODUCT SYNONYMS

MAD2L2; Polyclonal Antibody; MAD2L2 Antibody; Homolog of REV7 S cerevisiae; hREV7; MAD2 (mitotic arrest deficient yeast; homolog) like 2; MAD2 homolog; MAD2 like 2; MAD2 mitotic arrest deficient like 2; MAD2-like protein 2; MAD2B; Mad2l2; MD2L2_HUMAN; Mitotic Arrest Deficient 2 L2; Mitotic arrest deficient 2-like protein 2; Mitotic arrest deficient homolog like 2; Mitotic arrest deficient like 2 (yeast); Mitotic arrest deficient yeast homolog; Mitotic spindle assembly checkpoint protein MAD2B; Polymerase (DNA directed) zeta 2 accessory subunit; POLZ2; REV 7; REV7; REV7 homolog; Weakly similar to Mitotic MAD2 protein (S cerevisiae); anti-MAD2L2 antibody

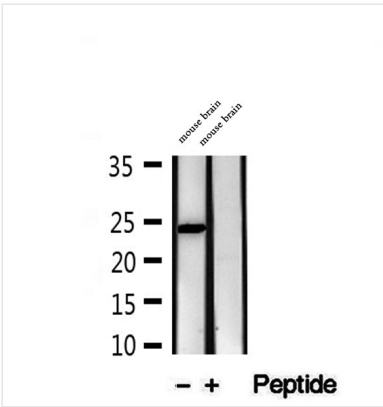
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	MAD2L2 antibody detects endogenous levels of MAD2L2.
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	211
Applicable Applications for anti-MAD2L2 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human MAD2L2.
Subcellular Location	Nucleus. Cytoplasm > Cytoskeleton > Spindle. Cytoplasm.
Tissue Specificity	Ubiquitously expressed.
Predicted Cross Reactivity	Pig, Zebrafish, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus
Similarity	Pig (100%), Zebrafish (86%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (86%), Xenopus (86%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
AAA323112 at 1/100 staining Human breast cancer 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 extracts of mouse brain tissue, using MAD2L2 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-MAD2L2 antibody	Function: Adapter protein able to interact with different proteins and involved in different biological processes. Mediates the interaction between the error-prone DNA polymerase zeta catalytic subunit REV3L and the inserter polymerase REV1, thereby mediating the second polymerase switching in translesion DNA synthesis. Translesion DNA synthesis releases the replication blockade of replicative polymerases, stalled in presence of DNA lesions. May also regulate another aspect of cellular response to DNA damage through regulation of the JNK-mediated phosphorylation and activation of the transcriptional activator ELK1. Inhibits the FZR1-and probably CDC20-mediated activation of the anaphase promoting complex APC thereby regulating progression through the cell cycle. Regulates TCF7L2-mediated gene transcription and may play a role in epithelial-mesenchymal transdifferentiation. Subunit Structure: Homooligomer (Probable). Interacts with REV1. Interacts with ADAM9. Interacts with CHAMP1. Interacts with FZR1 (in complex with the anaphase promoting complex APC). Interacts with CDC20; PubMed:11459825 could not detect the interaction. Interacts with RAN. Interacts with ELK1; the interaction is direct and recruits MAD2L2 to ELK1-specific promoters. May interact with the JNK kinases MAPK8 and/or MAPK9 to stimulate ELK1 phosphorylation and transcriptional activity upon DNA damage. Interacts with TCF7L2; prevents its binding to promoters and negatively modulates its transcriptional activity. Interacts with YY1AP1. Interacts with S.flexneri protein ipaB; prevents the interaction of MAD2L2 with FZR1 and CDC20 resulting in an activation of the anaphase-promoting complex APC and a cell cycle arrest. Interacts with PRCC; the interaction is direct. Interacts with POGZ. Heterodimer with REV3L. This dimer forms the minimal DNA polymerase zeta complex (Pol-zeta2), with REV3L bearing DNA polymerase catalytic activity, although its activity is very low in this context. Component of the tetrameric Pol-zeta complex (Pol-zeta4), which consists of REV3L, MAD2L2, POLD2 and POLD3; Pol-zeta4 is the fully active form of DNA polymerase zeta (PubMed:24449906).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	187960079
NCBI GeneID	10459
NCBI Accession #	NP_001120797.1
NCBI GenBank Nucleotide #	NM_001127325.1
UniProt Accession #	Q9UI95; Q5TGW7; Q9UNA7; Q9Y6I6; B3KNE3
Molecular Weight	Observed: 24 kDa Predicted: 25 kDa
NCBI Official Full Name	mitotic spindle assembly checkpoint protein MAD2B
NCBI Official Synonym Full Names	mitotic arrest deficient 2 like 2
NCBI Official Symbol	MAD2L2
NCBI Official Synonym Symbols	REV7; FANCV; MAD2B; POLZ2

NCBI Protein Information	mitotic spindle assembly checkpoint protein MAD2B
UniProt Protein Name	Mitotic spindle assembly checkpoint protein MAD2B
UniProt Gene Name	MAD2L2
UniProt Synonym Gene Names	MAD2B; REV7; MAD2-like protein 2; hREV7

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/mad2l2-antibody-immunohistochemistry-western-blot-elisa/323112>