

MAD2L2 recombinant antibody

MAD2L2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA243947	Rabbit	Human	Immunofluorescence, Immunohistochemistry, Western Blot, ELISA

PRODUCT SYNONYMS

MAD2L2; Monoclonal Recombinant Antibody; MAD2L2 Antibody; Mitotic spindle assembly checkpoint protein MAD2B (Mitotic arrest deficient 2-like protein 2) (MAD2-like protein 2) (REV7 homolog) (hREV7); MAD2B REV7; MAD2L2 recombinant antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Number	4D8
Purity/Purification	Affinity-chromatography
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, PH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Applicable Applications for MAD2L2 recombinant antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Antibody Type	Recombinant Antibody
Conjugation	Non-conjugated
Immunogen	A synthesized peptide derived from human Mad2L2
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



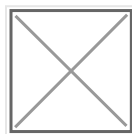
IF (Immunofluorescence)

Immunofluorescence staining of HeLa Cells at 1250, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeated by 0.2% TritonX-100, and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4 degree C. Nuclear DNA was labeled in blue with DAPI. The secondary antibody was FITC-conjugated AffiniPure Goat Anti-Rabbit IgG ?H+L?.



IHC (Immunohistochemistry)

IHC image diluted at 1:100 and staining in paraffin-embedded human brain tissue performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4 degree C overnight. The primary is detected by a Goat anti-rabbit IgG polymer labeled by HRP and visualized using 0.05% DAB.



WB (Western Blot)

Western BlotPositive WB detected in: 293 whole cell lysateAll lanes: Mad2L2 antibody at 1:2000SecondaryGoat polyclonal to rabbit IgG at 1/50000 dilutionPredicted band size: 25 kDaObserved band size: 25 kDa

ADDITIONAL INFORMATION

Related Product Information for MAD2L2 recombinant antibody	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.
Product Categories/Family for MAD2L2 recombinant antibody	Cancer; Cell biology

NCBI AND UNIPROT INFORMATION

NCBI GI #	187960073
NCBI GeneID	10459
NCBI Accession #	NP_006332.3
NCBI GenBank Nucleotide #	NM_006341.3
UniProt Accession #	Q9UI95; Q5TGW7; Q9UNA7; Q9Y6I6; B3KNE3
Molecular Weight	24,334 Da
NCBI Official Full Name	mitotic spindle assembly checkpoint protein MAD2B
NCBI Official Synonym Full Names	MAD2 mitotic arrest deficient-like 2 (yeast)
NCBI Official Symbol	MAD2L2
NCBI Official Synonym Symbols	REV7; MAD2B; POLZ2
NCBI Protein Information	mitotic spindle assembly checkpoint protein MAD2B; hREV7; REV7 homolog; MAD2-like protein 2; mitotic arrest deficient homolog-like 2; mitotic arrest deficient 2-like protein 2; polymerase (DNA-directed), zeta 2, accessory subunit; MAD2 (mitotic arrest def
UniProt Protein Name	Mitotic spindle assembly checkpoint protein MAD2B
UniProt Gene Name	MAD2L2
UniProt Synonym Gene Names	MAD2B; REV7; MAD2-like protein 2; hREV7
UniProt Entry Name	MD2L2_HUMAN

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.