

MAD2L2 Rabbit mAb
Catalog # AP75687**Specification**

MAD2L2 Rabbit mAb - Product Information

Application	WB, IP, ICC
Primary Accession	Q9UI95
Reactivity	Human
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	24334

MAD2L2 Rabbit mAb - Additional Information**Gene ID** 10459**Other Names**
MAD2L2**Dilution**
WB~~1/500-1/1000
IP~~N/A
ICC~~N/A**Format**
50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.**Storage**
Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.**MAD2L2 Rabbit mAb - Protein Information****Name** MAD2L2**Synonyms** MAD2B, REV7**Function**

Adapter protein able to interact with different proteins and involved in different biological processes (PubMed: [11459825](http://www.uniprot.org/citations/11459825), PubMed: [11459826](http://www.uniprot.org/citations/11459826), PubMed: [17296730](http://www.uniprot.org/citations/17296730), PubMed: [17719540](http://www.uniprot.org/citations/17719540), PubMed: [19443654](http://www.uniprot.org/citations/19443654), PubMed: [29656893](http://www.uniprot.org/citations/29656893)). 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 (PubMed: [20164194](http://www.uniprot.org/citations/20164194)). Translesion

DNA synthesis releases the replication blockade of replicative polymerases, stalled in presence of DNA lesions (PubMed:20164194). Component of the shieldin complex, which plays an important role in repair of DNA double-stranded breaks (DSBs) (PubMed:29656893). During G1 and S phase of the cell cycle, the complex functions downstream of TP53BP1 to promote non-homologous end joining (NHEJ) and suppress DNA end resection (PubMed:29656893). Mediates various NHEJ-dependent processes including immunoglobulin class-switch recombination, and fusion of unprotected telomeres (PubMed:29656893). 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 (PubMed:17296730). Inhibits the FZR1- and probably CDC20-mediated activation of the anaphase promoting complex APC thereby regulating progression through the cell cycle (PubMed:11459825, PubMed:17719540). Regulates TCF7L2-mediated gene transcription and may play a role in epithelial-mesenchymal transdifferentiation (PubMed:19443654).

Cellular Location

Nucleus. Cytoplasm, cytoskeleton, spindle. Cytoplasm. Chromosome. Note=Recruited to sites of chromosomal double-stranded breaks during G1 and S phase of the cell cycle

Tissue Location

Ubiquitously expressed.

MAD2L2 Rabbit mAb - 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](#)

MAD2L2 Rabbit mAb - Images



