

## Anti-Mad2L2 Monoclonal Antibody Catalog # ABO14546

### Specification

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#### Anti-Mad2L2 Monoclonal Antibody - Product Information

Application	WB, IHC, IF, ICC, IP, FC
Primary Accession	<a href="#">Q9UI95</a>
Host	Rabbit
Isotype	Rabbit IgG
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Format	Liquid

#### Description

Anti-Mad2L2 Monoclonal Antibody . Tested in WB, IHC, ICC/IF, IP, Flow Cytometry applications. This antibody reacts with Human, Mouse, Rat.

#### Anti-Mad2L2 Monoclonal Antibody - Additional Information

Gene ID 10459

#### Other Names

Mitotic spindle assembly checkpoint protein MAD2B, Mitotic arrest deficient 2-like protein 2, MAD2-like protein 2, REV7 homolog, hREV7, MAD2L2, MAD2B, REV7

#### Application Details

WB 1:500-1:1000<br>IHC 1:100-1:500<br>ICC/IF 1:50-1:200<br>IP 1:30<br>FC 1:40

#### Contents

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

#### Immunogen

A synthesized peptide derived from human Mad2L2

#### Purification

Affinity-chromatography

#### Storage

**Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.**

#### Anti-Mad2L2 Monoclonal Antibody - 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](http://www.uniprot.org/citations/20164194)). Component of the shieldin complex, which plays an important role in repair of DNA double-stranded breaks (DSBs) (PubMed: [29656893](http://www.uniprot.org/citations/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](http://www.uniprot.org/citations/29656893)). Mediates various NHEJ-dependent processes including immunoglobulin class-switch recombination, and fusion of unprotected telomeres (PubMed: [29656893](http://www.uniprot.org/citations/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](http://www.uniprot.org/citations/17296730)). Inhibits the FZR1- and probably CDC20-mediated activation of the anaphase promoting complex APC thereby regulating progression through the cell cycle (PubMed: [11459825](http://www.uniprot.org/citations/11459825), PubMed: [17719540](http://www.uniprot.org/citations/17719540)). Regulates TCF7L2-mediated gene transcription and may play a role in epithelial-mesenchymal transdifferentiation (PubMed: [19443654](http://www.uniprot.org/citations/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.

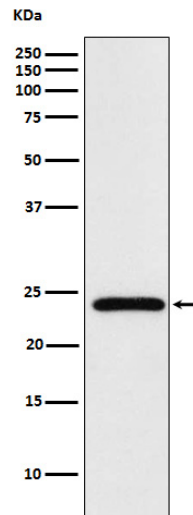
## Anti-Mad2L2 Monoclonal Antibody - Protocols

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](#)

## Anti-Mad2L2 Monoclonal Antibody - Images





Western blot analysis of Mad2L2 expression in HeLa cell lysate.