

**MAD1L1 Rabbit mAb**  
**Catalog # AP78243****Specification**

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**MAD1L1 Rabbit mAb - Product Information**

Application	WB
Primary Accession	<a href="#">Q9Y6D9</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	83067

**MAD1L1 Rabbit mAb - Additional Information****Gene ID** 8379**Other Names**  
MAD1L1**Dilution**  
WB~~1/500-1/1000**Format**  
Liquid**MAD1L1 Rabbit mAb - Protein Information****Name** MAD1L1**Synonyms** MAD1, TXBP181**Function**

Component of the spindle-assembly checkpoint that prevents the onset of anaphase until all chromosomes are properly aligned at the metaphase plate (PubMed:<a href="http://www.uniprot.org/citations/10049595" target="\_blank">10049595</a>, PubMed:<a href="http://www.uniprot.org/citations/20133940" target="\_blank">20133940</a>, PubMed:<a href="http://www.uniprot.org/citations/29162720" target="\_blank">29162720</a>). Forms a heterotetrameric complex with the closed conformation form of MAD2L1 (C-MAD2) at unattached kinetochores during prometaphase, recruits an open conformation of MAD2L1 (O-MAD2) and promotes the conversion of O-MAD2 to C-MAD2, which ensures mitotic checkpoint signaling (PubMed:<a href="http://www.uniprot.org/citations/29162720" target="\_blank">29162720</a>).

**Cellular Location**

Nucleus. Chromosome, centromere, kinetochore. Nucleus envelope Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Cytoplasm, cytoskeleton, spindle. Cytoplasm, cytoskeleton, spindle pole. Note=Co- localizes with TPR at the nucleus envelope during interphase and throughout the cell cycle (PubMed:18981471, PubMed:22351768). 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 (PubMed:9546394). Localizes to kinetochores during prometaphase (PubMed:22351768, PubMed:29162720). Does not localize to kinetochores during metaphase (PubMed:29162720) Colocalizes with NEK2 at the kinetochore (PubMed:14978040). Colocalizes with IK at spindle poles during metaphase and anaphase (PubMed:22351768).

#### **Tissue Location**

[Isoform 1]: Expressed in hepatocellular carcinomas and hepatoma cell lines (at protein level)

#### **MAD1L1 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](#)

#### **MAD1L1 Rabbit mAb - Images**

