MAD2L2 Polyclonal ANTIBODY

Catalog Number: 12683-1-AP

**Basic Information**

- **Catalog Number:** 12683-1-AP
- **Size:** 150UL, Concentration: 180 μg/ml by Bradford method using BSA as the standard.
- **Source:** Rabbit
- **Isotype:** IgG
- **Immunogen Catalog Number:** AG3373
- **GenBank Accession Number:** BC015244
- **GeneID (NCBI):** 10459
- **Full Name:** MAD2 mitotic arrest deficient-like 2 (yeast)
- **Calculated MW:** 211 aa, 24 kDa
- **Observed MW:** 24 kDa
- **Purification Method:** Antigen affinity purification
- **Recommended Dilutions:**
  - WB: 1:500-1:2400
  - IP: 0.5-4.0 μg for IP and 1:500-1:1000 for WB
  - IHC: 1:50-1:500

**Applications**

- **Tested Applications:** IHC, IP, WB, ELISA
- **Cited Applications:** IHC, IP, WB
- **Species Specificity:** human, mouse, rat
- **Cited Species:** human, mouse

**Note-IHC:** suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

**Background Information**

MAD family, together with BUB and Mps1,Cdc20k, play roles in the mitotic spindle checkpoint. MAD2L2 is one of the MAD family. It can mediate the second polymerase switching in translation DNA synthesis by mediating the interaction between the error-prone DNA polymerase zeta catalytic subunit REV3L and the inserter polymerase REV1. Through regulation of the JNK-mediate phosphorylation and activation of the transcriptional activator ELK1, MAD2L2 involves in cellular response to DNA damage. Also it has role in the progression of cell cycle and peithelial-mesenchymal transdifferentiation.

**Notable Publications**

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<td>24100295</td>
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**Storage**

- **Storage:** Store at -20°C. Stable for one year after shipment.
- **Storage Buffer:** PBS with 0.1% sodium azide and 50% glycerol pH 7.3.
- **Aliquoting is unnecessary for -20°C storage**
Immunohistochemical analysis of paraffin-embedded human ovary tumor tissue slide using 12683-1-AP (MAD2L2 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).

Human brain tissue were subjected to SDS PAGE followed by western blot with 12683-1-AP (MAD2L2 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.

IP Result of anti-MAD2L2 (IP: 12683-1-AP, 3ug; Detection: 12683-1-AP 1:500) with mouse brain tissue lysate 3600ug.