

## MAD2L2 Polyclonal antibody

Catalog Number: 12683-1-AP

Featured Product

16 Publications

## Basic Information

## Catalog Number:

12683-1-AP

## Size:

400 µg/ml

## Source:

Rabbit

## Isotype:

IgG

## Immunogen Catalog Number:

AG3373

## GenBank Accession Number:

BC015244

## GeneID (NCBI):

10459

## UNIPROT ID:

Q9UI95

## 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 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

## Applications

## Tested Applications:

IHC, IP, WB, ELISA

## Cited Applications:

WB, IP, IF, IHC

## 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**

## Positive Controls:

**WB**: human brain tissue, A375 cells, fetal HEK-293 cells, HeLa cells, human colon tissue, human kidney tissue, K-562 cells, mouse brain tissue

**IP**: mouse brain tissue,

**IHC**: human ovary tumor tissue, human lymphoma tissue

## 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-mediated 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

Author	Pubmed ID	Journal	Application
Inge de Krijger	34521823	Nat Commun	WB
Dian Bao	34803506	Int J Biol Sci	WB, IF, IHC
Tamar Listovsky	24100295	J Cell Biol	WB, IP

## Storage

## Storage:

Store at -20°C. Stable for one year after shipment.

## Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

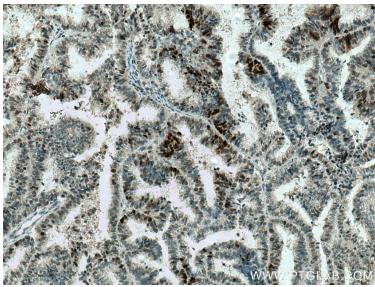
For technical support and original validation data for this product please contact:

T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)W: [ptgcn.com](http://ptgcn.com)

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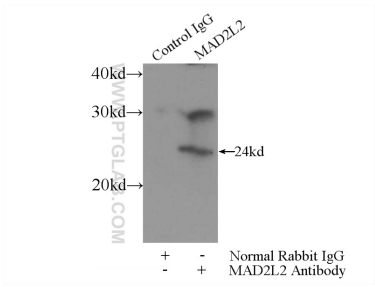
Selected Validation Data



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.