

Mad2L2 Rabbit mAb

Catalog No: #49724

Package Size: #49724-1 50ul #49724-2 100ul

Orders: order@signalwayantibody.com

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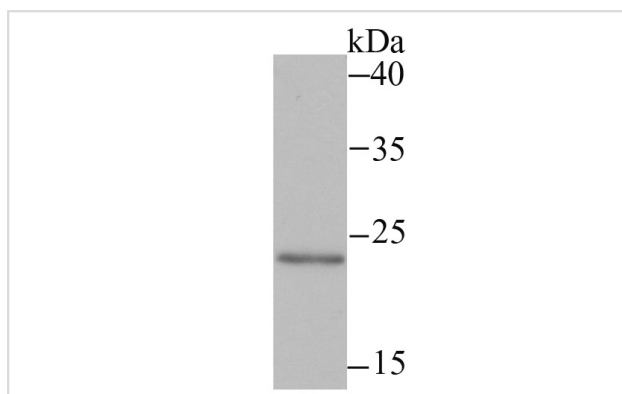
Description

Product Name	Mad2L2 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	JU99-23
Purification	ProA affinity purified
Applications	WB,IHC,FC,IP
Species Reactivity	Hu, Ms, Rt
Immunogen Description	Recombinant protein
Other Names	Homolog of REV7 S cerevisiae antibody hREV7 antibody MAD2 (mitotic arrest deficient yeast, homolog) like 2 antibody MAD2 homolog antibody MAD2 like 2 antibody MAD2 mitotic arrest deficient like 2 antibody MAD2-like protein 2 antibody MAD2B antibody Mad2l2 antibody MD2L2_HUMAN antibody Mitotic Arrest Deficient 2 L2 antibody Mitotic arrest deficient 2-like protein 2 antibody Mitotic arrest deficient homolog like 2 antibody Mitotic arrest deficient like 2 (yeast) antibody Mitotic arrest deficient yeast homolog antibody Mitotic spindle assembly checkpoint protein MAD2B antibody Polymerase (DNA directed) zeta 2 accessory subunit antibody POLZ2 antibody REV 7 antibody REV7 antibody REV7 homolog antibody Weakly similar to Mitotic MAD2 protein (S cerevisiae) antibody
Accession No.	Swiss-Prot#:Q9UI95
Uniprot	Q9UI95
GeneID	10459;
Calculated MW	24 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

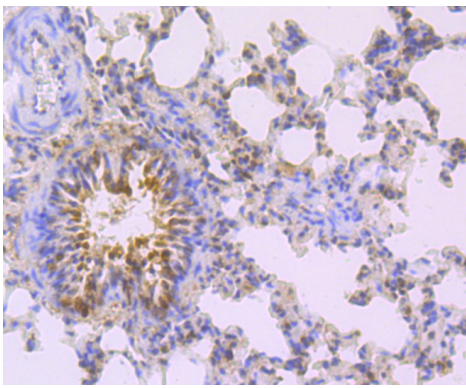
Application Details

WB: 1:500IHC: 1:50-1:200IP: 1:10-1:50FC: 1:50-1:100

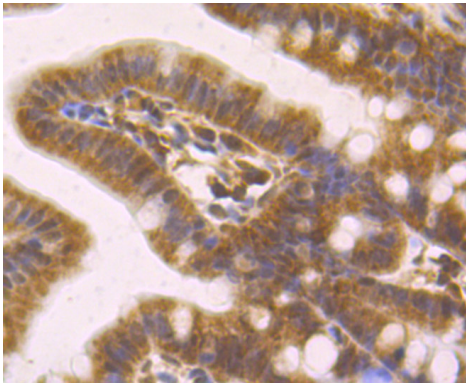
Images



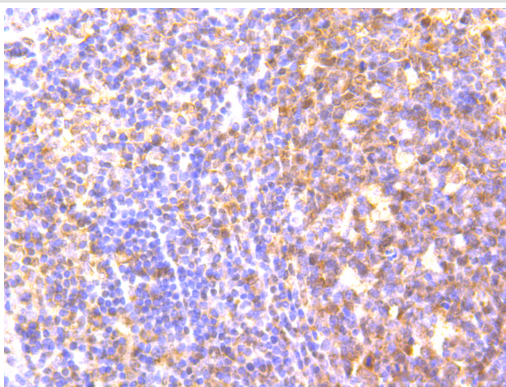
Western blot analysis of Mad2L2 on SiHa cell using anti-Mad2L2 antibody at 1/500 dilution.



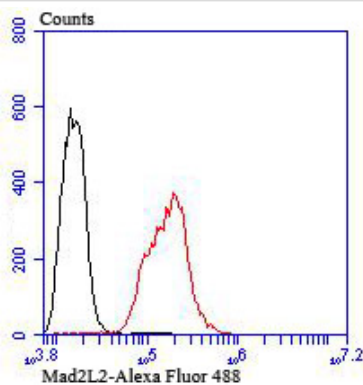
Immunohistochemical analysis of paraffin-embedded rat lung tissue using anti-Mad2L2 antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded mouse colon tissue using anti-Mad2L2 antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded human tonsil tissue using anti-Mad2L2 antibody. Counter stained with hematoxylin.



Flow cytometric analysis of HeLa cells with Mad2L2 antibody at 1/100 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody.

Background

Cell cycle progression is subject to arrest at the mitotic spindle assembly checkpoint in response to incorrect spindle fiber assembly. MAD2 (for mitotic arrest-deficient) is a component of the mitotic spindle checkpoint. Cells with mutated MAD2 do not undergo mitotic arrest in response to incorrect spindle fiber assembly, which results in missegregation and eventual cell death. A breast carcinoma cell line with reduced MAD2 expression, T-47D, was shown to complete mitosis in the presence of Nocodazole, an inhibitor of mitotic spindle assembly. MAD2 is localized to unattached kinetochores during pro-metaphase and disassociates upon spindle fiber attachment, indicating that MAD2 regulates kinetochore binding to the spindle fibers. Human MAD2 has also been shown to associate with Insulin receptor (IR), but not IGF-IR, implicating MAD2 as a mediator for IR-specific signaling. MAD2B, a MAD2 homolog, is required for the execution of the mitotic checkpoint monitoring the kinetochore-spindle attachment process and, if the

process is not complete, MAD2B delays the onset of anaphase.

References

Note: This product is for in vitro research use only