Mad2L1 Rabbit mAb

Catalog No: #49755

Package Size: #49755-1 50ul #49755-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

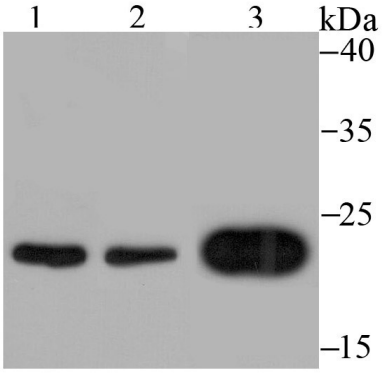
Product Name	Mad2L1 Rabbit mAb
Clone No.	JU46-13
Purification	ProA affinity purified
Applications	WB,ICC
Species Reactivity	Hu
Immunogen Description	Recombinant protein
Other Names	Caught by MAD2 protein antibody CMT2 antibody dJ261G23.1 antibody KIAA0110 antibody MAD2L1 binding protein antibody MAD2L1 binding protein isoform 2 antibody MAD2L1-binding protein antibody Mad2l1bp antibody MD2BP_HUMAN antibody MGC11282 antibody OTTHUMP00000016496 antibody RP1 261G23.6 antibody
Accession No.	Swiss-Prot#:Q13257
Uniprot	Q13257
GeneID	4085;
Calculated MW	23.5 kDa
Concentration	1 mg/ml
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

Application Details

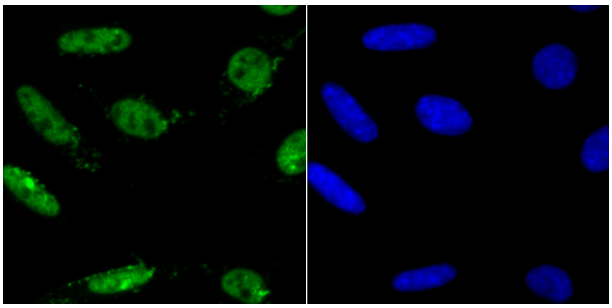
WB: 1:500-1:2,000

ICC: 1:100-1:500

Images



Western blot analysis of Mad2L1 on different cell lysates using anti-Mad2L1 antibody at 1/500 dilution. Positive control: Lane 1: K562 Lane 2: 293T Lane 3: SH-SY5Y



ICC staining Mad2L1 in SH-SY5Y cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

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, T47D, was shown to complete mitosis in the presence of nocodazole, an inhibitor of mitotic spindle assembly. MAD2 is localized to unattached kinetochores during prometaphase 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 IGFIR, 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.

Note: This product is for in vitro research use only