Mad2L2 Conjugated Antibody

Catalog No: #C49724

Package Size: #C49724-AF350 100ul #C49724-AF405 100ul #C49724-AF488 100ul #C49724-AF555 100ul #C49724-AF594 100ul #C49724-AF647 100ul #C49724-AF680 100ul #C49724-AF750 100ul #C49724-Biotin 100ul

Orders: order@signalwayantibody.com
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Description

Product Name	Mad2L2 Conjugated Antibody
Host Species	Rabbit
Clonality	Monoclonal
Species Reactivity	Hu, Ms, Rt
Immunogen Description	Recombinant protein
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
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;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Calculated MW	24 kDa
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

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.

Note: This product is for in vitro research use only