Product Datasheet

MAD2L1 Antibody - BSA Free NB100-563

Unit Size: 100 ul

Store at 4C. Do not freeze.



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NB100-563

MAD2L1 Antibody - BSA Free

Product Information	
Unit Size	100 ul
Concentration	1.0 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Polyclonal
Preservative	0.09% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris-Citrate/Phosphate (pH 7.0 - 8.0)
Target Molecular Weight	23 kDa
Product Description	
Host	Rabbit
Gene ID	4085
Gene Symbol	MAD2L1
Species	Human
Immunogen	The immunogen recognized by this antibody maps to a region between residues 100 and 150 of human Mitotic Arrest Deficient 2 using the numbering given in SwissProt entry Q13257 (GeneID 4085).
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation
Recommended Dilutions	Western Blot 1:100-1:2000, Immunohistochemistry 1:1000-1:5000, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation 2-4 ug/mg Iysate, Immunohistochemistry-Paraffin 1:1000-1:5000
Application Notes	Epitope retrieval with Tris-EDTA pH9.0 is recommended for FFPE tissue sections. Use in ICC/IF was reported in scientific literature (PMID: 29497093).



Images

Immunohistochemistry: MAD2L1 Antibody [NB100-563] - Sample: FFPE section of human lung carcinoma. Antibody: Affinity purified rabbit anti-MAD2 used at a dilution of 1:1,000 (1ug/ml). Detection: DAB



Immunoprecipitation: MAD2L1 Antibody [NB100-563] - Detection of human MAD2L1 by western blot of immunoprecipitates. Samples: Whole cell lysate (1 mg for IP, 20% of IP loaded) from HeLa cells. Antibodies: Affinity purified rabbit anti-MAD2L1 antibody NB100-563 (lot 3) used for IP at 3 ug/mg lysate. MAD2L1 was also immunoprecipitated by a previous lot (lot 2) and by rabbit anti-MAD2L1 antibody NB100-564. Detection: Chemiluminescence with an exposure time of 30 seconds.



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Publications

Itoh Go, Ikeda Masanori, Iemura Kenji et al. Lateral attachment of kinetochores to microtubules is enriched in prometaphase rosette and facilitates chromosome alignment and bi-orientation establishment. Medicine 2018-03-01 [PMID: 29497093] (ICC/IF, Human)

Ikeda M, Tanaka K. Plk1 bound to Bub1 contributes to spindle assembly checkpoint activity during mitosis Sci Rep 2017-08-18 [PMID: 28821799] (WB, Human)

Guccini S, Lombardi S, Pisani A et al. Effects of spindle poisons in peripheral human lymphocytes by the in vitro cytokinesis-block micronucleus assay. Mutagenesis 2012-11-01 [PMID: 22952150]

Matson DR, Demirel PB, Stukenberg PT, Burke DJ. A conserved role for COMA/CENP-H/I/N kinetochore proteins in the spindle checkpoint. FEBS J. 2012-03-16 [PMID: 22426531]

McHedlishvili N, Wieser S, Holtackers R et al. Kinetochores accelerate centrosome separation to ensure faithful chromosome segregation. J Cell Sci 2012-02-01 [PMID: 22399803]

Klebig C, Korinth D, Meraldi P et al. Bub1 regulates chromosome segregation in a kinetochore-independent manner. J Cell Biol 2009-06-01 [PMID: 19487456]

Chan YW, Fava LL, Uldschmid A et al. Mitotic control of kinetochore-associated dynein and spindle orientation by human Spindly. J Cell Biol. 2009-06-01 [PMID: 19468067]

Yun M, Han YH, Yoon SH et al. p31comet Induces cellular senescence through p21 accumulation and Mad2 disruption. Mol Cancer Res 2009-03-01 [PMID: 19276188]

Lince-Faria M, Maffini S, Orr B et al. Spatiotemporal control of mitosis by the conserved spindle matrix protein Megator. J Cell Biol 2009-03-01 [PMID: 19273613]

Vader G, Cruijsen CW, van Harn T et al. The chromosomal passenger complex controls spindle checkpoint function independent from its role in correcting microtubule kinetochore interactions. Mol Biol Cell 2007-11-01 [PMID: 17699588]

Santamaria A, Neef R, Eberspacher U et al. Use of the novel Plk1 inhibitor ZK-thiazolidinone to elucidate functions of Plk1 in early and late stages of mitosis. Mol Biol Cell 2007-10-01 [PMID: 17671160]

Agoston AT, Argani P, De Marzo AM et al. Retinoblastoma pathway dysregulation causes DNA methyltransferase 1 overexpression in cancer via MAD2-mediated inhibition of the anaphase-promoting complex. Am J Pathol 2007-05-01 [PMID: 17456764]

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HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB800-PC1	HeLa Whole Cell Lysate

Limitations

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