

Anti-Mad2L1 antibody ab70385

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概述

产品名称	Anti-Mad2L1抗体
描述	兔多克隆抗体to Mad2L1
宿主	Rabbit
经测试应用	适用于: WB, IP
种属反应性	与反应: Mouse, Human 预测可用于: Rabbit, Horse, Guinea pig, Cow, Pig, Chimpanzee, Rhesus monkey, Gorilla, Chinese hamster, Orangutan, Elephant 
免疫原	Synthetic peptide mapping to a region between residue 150 and the C-terminus (residue 205) of Human MAD2 (SwissProt Q13257)
阳性对照	WB: HeLa, HEK293T, Jurkat, TCMK-1, NIH/3T3; IP: HeLa
常规说明	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
存储溶液	pH: 7 Preservative: 0.09% Sodium azide Constituents: 1.815% Tris, 1.764% Sodium citrate, 0.021% PBS
纯度	Immunogen affinity purified
克隆	多克隆
同种型	IgG

应用

The Abpromise guarantee

Abpromise™ 承诺保证使用ab70385于以下的经测试应用

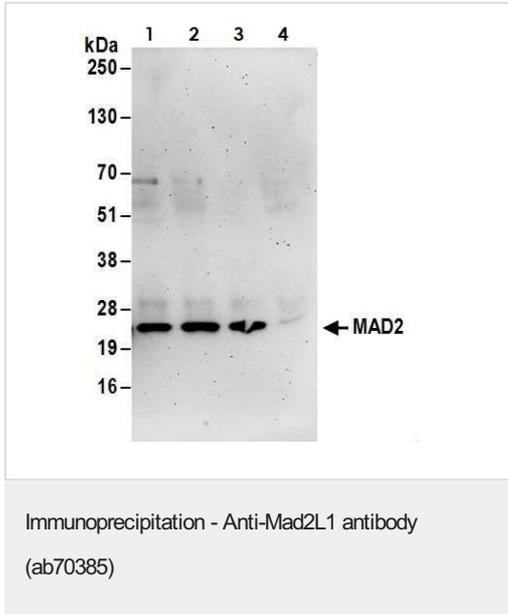
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB		1/2000 - 1/10000. Detects a band of approximately 24 kDa (predicted molecular weight: 24 kDa).
IP		Use at 2-10 µg/mg of lysate.

靶标

功能	Component of the spindle-assembly checkpoint that prevents the onset of anaphase until all chromosomes are properly aligned at the metaphase plate. Required for the execution of the mitotic checkpoint which monitors the process of kinetochore-spindle attachment and inhibits the activity of the anaphase promoting complex by sequestering CDC20 until all chromosomes are aligned at the metaphase plate.
序列相似性	Belongs to the MAD2 family. Contains 1 HORMA domain.
结构域	The protein has two highly different native conformations, an inactive open conformation that cannot bind CDC20 and that predominates in cytosolic monomers, and an active closed conformation. The protein in the closed conformation preferentially dimerizes with another molecule in the open conformation, but can also form a dimer with a molecule in the closed conformation. Formation of a heterotetrameric core complex containing two molecules of MAD1L1 and of MAD2L1 in the closed conformation promotes binding of another molecule of MAD2L1 in the open conformation and the conversion of the open to the closed form, and thereby promotes interaction with CDC20.
翻译后修饰	Phosphorylated on multiple serine residues. The level of phosphorylation varies during the cell cycle and is highest during mitosis. Phosphorylation abolishes interaction with MAD1L1 and reduces interaction with CDC20.
细胞定位	Nucleus. Chromosome > centromere > kinetochore. Cytoplasm. Recruited by MAD1L1 to unattached kinetochores (Probable). Recruited to the nuclear pore complex by TPR during interphase. Recruited to kinetochores in late prometaphase after BUB1, CENPF, BUB1B and CENPE. Kinetochore association requires the presence of NEK2. Kinetochore association is repressed by UBD.

图片



MAD2 was immunoprecipitated from HeLa whole cell lysate (1 mg per IP reaction, 20% loaded) with ab70385 at 6 µg per reaction. Western blot was performed on the immunoprecipitate using ab70385 at 1 µg/mL.

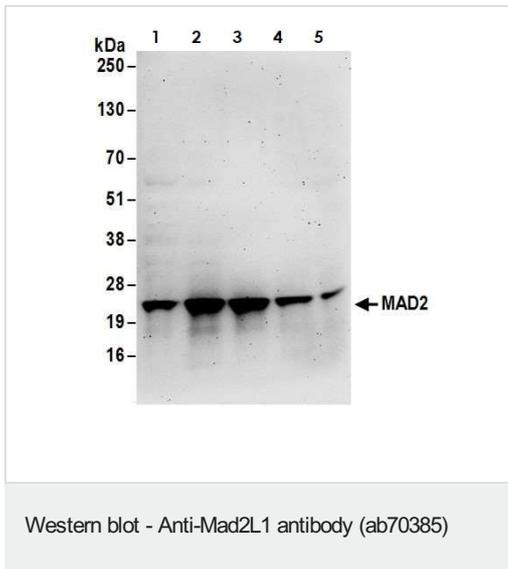
Lane 1: ab70385 IP in HeLa whole cell lysate.

Lane 2: ab70385 IP in HeLa whole cell lysate.

Lane 3: rabbit anti-MAD2 antibody IP in HeLa whole cell lysate.

Lane 4: Control IgG in HeLa whole cell lysate.

Detection: Chemiluminescence with an exposure time of 3 minutes



All lanes : Anti-Mad2L1 antibody (ab70385) at 0.1 µg/ml

Lane 1 : HeLa whole cell lysate

Lane 2 : HEK293T whole cell lysate

Lane 3 : Jurkat whole cell lysate

Lane 4 : TCMK-1 whole cell lysate

Lane 5 : NIH/3T3 whole cell lysate

Lysates/proteins at 50 µg per lane.

Predicted band size: 24 kDa

Exposure time: 3 minutes

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