


### Anti-Mad2L1 antibody ab70383

★★★★★ [2 Abreviews](#) [7 References](#) [2 图像](#)

#### 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: IHC-P, IP
种属反应性	与反应: Human 预测可用于: Guinea pig, Cow, Pig, Chimpanzee, Ferret, Baboon, Rhesus monkey, Gorilla, Orangutan 
免疫原	Synthetic peptide mapping to a region between residues 100 and 150 of human MAD2 (according to SwissProt entry Q13257)
阳性对照	IP: HEK293T whole cell lysate; IHC: human ovarian carcinoma
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&amp;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	<p>pH: 7</p> <p>Preservative: 0.09% Sodium azide</p> <p>Constituents: 1.815% Tris, 1.764% Sodium citrate, 0.021% PBS</p>
纯度	Immunogen affinity purified
克隆	多克隆
同种型	IgG

#### 应用

The Abpromise guarantee

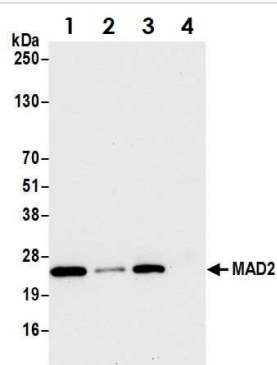
Abpromise™承诺保证使用ab70383于以下的经测试应用

“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
IHC-P		1/1000 - 1/5000. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol. <b>ab171870</b> - Rabbit polyclonal IgG, is suitable for use as an isotype control with this antibody.
IP	★★★★★ (1)	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



Immunoprecipitation - Anti-Mad2L1 antibody  
(ab70383)

MAD2 was immunoprecipitated from HEK-293T whole cell lysate (0.1 mg per IP reaction, 20% loaded) with ab70383 at 6 µg per reaction. Western blot was performed on the immunoprecipitate using **ab70319** at 0.1 µg/mL.

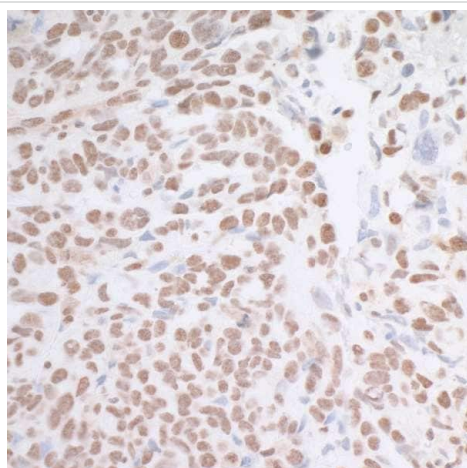
Lane 1: rabbit anti-MAD2 antibody IP in HEK-293T whole cell lysate.

Lane 2: ab70383 IP in HEK-293T whole cell lysate.

Lane 3: ab70383 IP in HEK-293T whole cell lysate

Lane 4: Control IgG in HEK-293T whole cell lysate.

Detection: Chemiluminescence with an exposure time of 1 second.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Mad2L1 antibody  
(ab70383)

Immunohistochemistry (Formalin-fixed paraffin-embedded sections) analysis of human ovarian carcinoma tissue labelling Mad2L1 with ab70383 at 1/5000 dilution. Heat mediated antigen retrieval performed with citrate buffer pH 6 before commencing with IHC staining protocol.

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