

### Anti-Mad2L1 antibody [EPR9853(B)] ab150371

KO 評価済

リコンビナント

RabMAb

画像数 3

#### 製品の概要

|              |   |
|--------------|---|
| 製品名          | Anti-Mad2L1 antibody [EPR9853(B)]   |
| 製品の詳細        | Rabbit monoclonal [EPR9853(B)] to Mad2L1  |
| 由来種          | Rabbit  |
| アプリケーション     | <b>適用あり:</b> WB<br><b>適用なし:</b> Flow Cyt, ICC/IF, IHC-P or IP   |
| 種交差性         | <b>交差種:</b> Human   |
| 免疫原          | Synthetic peptide within Human Mad2L1 aa 150-250 (C terminal). The exact sequence is proprietary.   |
| ポジティブ・コントロール | 293T, Jurkat, Raji and A431 cell lysates; WB: Wild-type HAP1 whole cell lysate; HeLa whole cell lysate; A431 whole cell lysate  |
| 特記事項         | <p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"><li>- High batch-to-batch consistency and reproducibility</li><li>- Improved sensitivity and specificity</li><li>- Long-term security of supply</li><li>- Animal-free production</li></ul> <p>For more information <a href="#">see here</a>.</p> <p>Our RabMAb<sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a>.</p> <p>Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.</p> |

#### 製品の特性

|       |  |
|-------|--|
| 製品の状態 | Liquid   |
| 保存方法  | Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.  |
| バッファー | pH: 7.2<br>Preservative: 0.01% Sodium azide<br>Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant |
| 精製度   | Tissue culture supernatant   |

|        |            |
|--------|------------|
| ポリ/モノ  | モノクローナル    |
| クローン名  | EPR9853(B) |
| アイソタイプ | IgG        |

## アプリケーション

**The Abpromise guarantee** **Abpromise保証は、次のテスト済みアプリケーションにおけるab150371の使用に適用されず**  
 アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

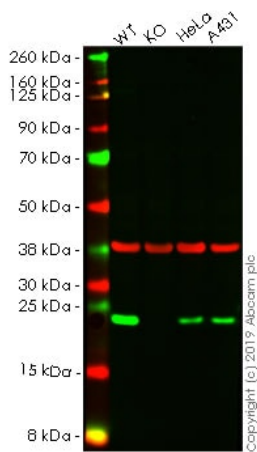
| アプリケーション | Abreviews | 特記事項  |
|----------|-----------|---|
| WB       |           | 1/10000 - 1/50000. Detects a band of approximately 24 kDa (predicted molecular weight: 24 kDa). |

**追加情報** Is unsuitable for Flow Cyt, ICC/IF, IHC-P or IP.

## ターゲット情報

|              |  |
|--------------|--|
| <b>機能</b>    | 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.  |
| <b>配列類似性</b> | Belongs to the MAD2 family.<br>Contains 1 HORMA domain.  |
| <b>ドメイン</b>  | 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. |
| <b>翻訳後修飾</b> | 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.   |
| <b>細胞内局在</b> | 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.   |

## 画像



Western blot - Anti-Mad2L1 antibody [EPR9853(B)] (ab150371)

**All lanes :** Anti-Mad2L1 antibody [EPR9853(B)] (ab150371) at 1/10000 dilution

**Lane 1 :** Wild-type HAP1 whole cell lysate

**Lane 2 :** MAD2L1 knockout HAP1 whole cell lysate

**Lane 3 :** HeLa whole cell lysate

**Lane 4 :** A431 whole cell lysate

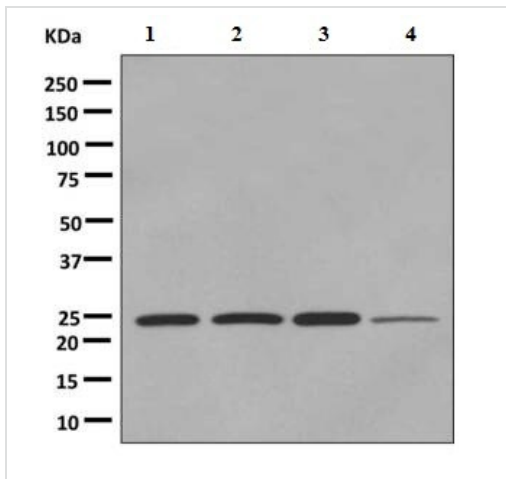
Lysates/proteins at 20 µg per lane.

**Predicted band size:** 24 kDa

**Observed band size:** 24 kDa

**Lanes 1 -4:** Merged signal (red and green). Green - ab150371 observed at 24 kDa. Red - loading control, **ab8245**, observed at 37 kDa.

ab150371 was shown to specifically react with in wild-type HAP1 cells as signal was lost in MAD2L1 knockout cells. Wild-type and MAD2L1 knockout samples were subjected to SDS-PAGE. The membrane was blocked with 3% NF Milk. Ab150371 and **ab8245** (Mouse anti GAPDH loading control) were incubated overnight at 4°C at 1/10000 dilution and 1/20000 dilution respectively. Blots were developed with Goat anti-Rabbit IgG H&L (IRDye® 800CW) preabsorbed **ab216773** and Goat anti-Mouse IgG H&L (IRDye® 680RD) preabsorbed **ab216776** secondary antibodies at 1/20000 dilution for 1 hour at room temperature before imaging.



Western blot - Anti-Mad2L1 antibody [EPR9853(B)] (ab150371)

**All lanes :** Anti-Mad2L1 antibody [EPR9853(B)] (ab150371) at 1/10000 dilution

**Lane 1 :** 293T cell lysates

**Lane 2 :** Jurkat cell lysates





**Lane 3 :** Raji cell lysates

**Lane 4 :** A431 cell lysates

Lysates/proteins at 10 µg per lane.

**Predicted band size:** 24 kDa

Why choose a recombinant antibody?

|  |  |
|--|--|
|  <p><b>Research with confidence</b><br/>Consistent and reproducible results</p> |  <p><b>Long-term and scalable supply</b><br/>Recombinant technology</p> |
|  <p><b>Success from the first experiment</b><br/>Confirmed specificity</p>    |  <p><b>Ethical standards compliant</b><br/>Animal-free production</p> |

Anti-Mad2L1 antibody [EPR9853(B)] (ab150371)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

**Our Abpromise to you: Quality guaranteed and expert technical support**

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.co.jp/abpromise> or contact our technical team.

## Terms and conditions

---

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors