

## Product datasheet

# Anti-MAD1 antibody [EPR14676-23] ab184560

Recombinant RabMAb

★★★★★ 1 Abreviews 2 Images

### Overview

<b>Product name</b>	Anti-MAD1 antibody [EPR14676-23]
<b>Description</b>	Rabbit monoclonal [EPR14676-23] to MAD1
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB, IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Recombinant fragment within Human MAD1 aa 50-200. The exact sequence is proprietary. Database link: <a href="#">Q9Y6D9</a>
<b>Positive control</b>	HepG2, A431, HeLa and MCF7 lysates. Human melanoma tissue.
<b>General notes</b>	

This product is a recombinant monoclonal antibody, which offers several advantages including:

- High batch-to-batch consistency and reproducibility
- Improved sensitivity and specificity
- Long-term security of supply
- Animal-free production

For more information [see here](#).

Our RabMAb<sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to [RabMAb<sup>®</sup> patents](#).

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
<b>Purity</b>	Tissue culture supernatant
<b>Clonality</b>	Monoclonal

**Clone number**                      EPR14676-23  
**Isotype**                                IgG

## Applications

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Our [Abpromise guarantee](#) covers the use of **ab184560** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/10000 - 1/50000. Predicted molecular weight: 83 kDa.
IHC-P		1/50. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

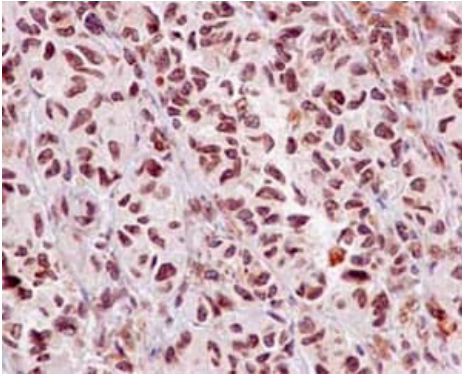
## Target

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<b>Function</b>	Component of the spindle-assembly checkpoint that prevents the onset of anaphase until all chromosomes are properly aligned at the metaphase plate. May recruit MAD2L1 to unattached kinetochores. Has a role in the correct positioning of the septum. Required for anchoring MAD2L1 to the nuclear periphery. Binds to the TERT promoter and represses telomerase expression, possibly by interfering with MYC binding.
<b>Tissue specificity</b>	Expressed weakly at G0/G1 and highly at late S and G2/M phase.
<b>Involvement in disease</b>	Defects in MAD1L1 are involved in the development and/or progression of various types of cancer.
<b>Sequence similarities</b>	Belongs to the MAD1 family.
<b>Post-translational modifications</b>	Phosphorylated; by BUB1. Become hyperphosphorylated in late S through M phases or after mitotic spindle damage.
<b>Cellular localization</b>	Nucleus. Chromosome > centromere > kinetochore. Cytoplasm > cytoskeleton > microtubule organizing center > centrosome. Cytoplasm > cytoskeleton > spindle. From the beginning to the end of mitosis, it is seen to move from a diffusely nuclear distribution to the centrosome, to the spindle midzone and finally to the midbody. Colocalizes with NEK2 at the kinetochore.

## Images

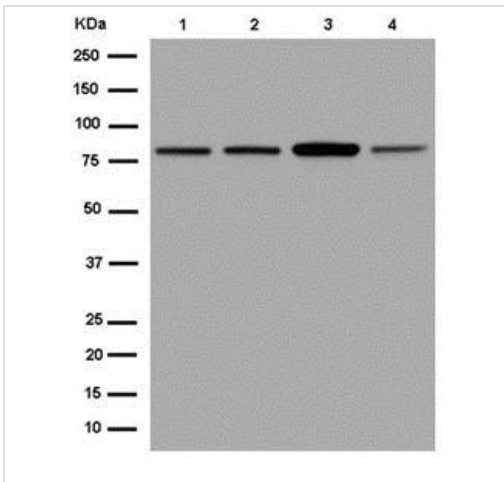
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Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MAD1 antibody [EPR14676-23] (ab184560)

Immunohistochemical analysis of formalin fixed and paraffin embedded Human melanoma tissue labeling MAD1 with ab184560 at 1/50 dilution, counterstained with Hematoxylin.

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Western blot - Anti-MAD1 antibody [EPR14676-23] (ab184560)

**All lanes** : Anti-MAD1 antibody [EPR14676-23] (ab184560) at 1/20000 dilution

**Lane 1** : HepG2 lysate

**Lane 2** : A431 lysate

**Lane 3** : HeLa lysate

**Lane 4** : MCF7 lysate

Lysates/proteins at 20 µg per lane.

#### Secondary

**All lanes** : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

Developed using the ECL technique.

**Predicted band size:** 83 kDa

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

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