

Product datasheet

Anti-MAD1L1/MAD1 antibody [EPR14676-23] - BSA and Azide free ab250761

Recombinant RabMAb

3 Images

Overview

Product name	Anti-MAD1L1/MAD1 antibody [EPR14676-23] - BSA and Azide free
Description	Rabbit monoclonal [EPR14676-23] to MAD1L1/MAD1 - BSA and Azide free
Host species	Rabbit
Tested applications	Suitable for: IHC-P, WB
Species reactivity	Reacts with: Human
Immunogen	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
General notes	<p>ab250761 is the carrier-free version of ab184560.</p> <p>Our carrier-free antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.</p> <p>This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.</p> <p>Use our conjugation kits for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.</p> <p>This product is compatible with the Maxpar[®] Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar[®] is a trademark of Fluidigm Canada Inc.</p> <p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C. Do Not Freeze.
Storage buffer	pH: 7.2 Constituent: PBS
Carrier free	Yes
Purity	Affinity purified
Clonality	Monoclonal
Clone number	EPR14676-23
Isotype	IgG

Applications

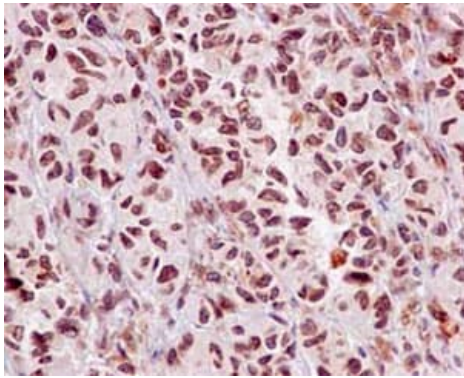
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab250761 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
WB		Use at an assay dependent concentration. Predicted molecular weight: 83 kDa.

Target

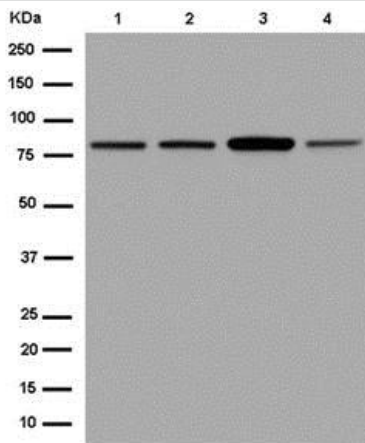
Function	Component of the spindle-assembly checkpoint that prevents the onset of anaphase until all chromosomes are properly aligned at the metaphase plate. May recruit MAD2L1 to unattached kinetochores. Has a role in the correct positioning of the septum. Required for anchoring MAD2L1 to the nuclear periphery. Binds to the TERT promoter and represses telomerase expression, possibly by interfering with MYC binding.
Tissue specificity	Expressed weakly at G0/G1 and highly at late S and G2/M phase.
Involvement in disease	Defects in MAD1L1 are involved in the development and/or progression of various types of cancer.
Sequence similarities	Belongs to the MAD1 family.
Post-translational modifications	Phosphorylated; by BUB1. Become hyperphosphorylated in late S through M phases or after mitotic spindle damage.
Cellular localization	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



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MAD1L1/MAD1 antibody [EPR14676-23] - BSA and Azide free (ab250761)

This data was developed using [ab184560](#), the same antibody clone in a different buffer formulation. 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-MAD1L1/MAD1 antibody [EPR14676-23] - BSA and Azide free (ab250761)

All lanes : Anti-MAD1L1/MAD1 antibody [EPR14676-23] ([ab184560](#)) at 1/20000 dilution

Lane 1 : HepG2 lysate

Lane 2 : A431 lysate

Lane 3 : HeLa 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

This data was developed using [ab184560](#), the same antibody clone in a different buffer formulation.

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

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

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