


## Product datasheet

### Anti-Mad2L2/REV7 antibody [EPR13657] ab180579

Recombinant RabMAb

★★★★☆ **3 Abreviews** **21 References** [6 Images](#)

#### Overview

<b>Product name</b>	Anti-Mad2L2/REV7 antibody [EPR13657]
<b>Description</b>	Rabbit monoclonal [EPR13657] to Mad2L2/REV7
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> Flow Cyt (Intra), IP, ICC/IF, IHC-P, WB
<b>Species reactivity</b>	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Mouse, Rat 
<b>Immunogen</b>	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
<b>Positive control</b>	WB: K562, SW480, HeLa, Molt-4 cell lysates. IHC-P: Human ovarian carcinoma tissue. ICC/IF: HeLa cells. Flow Cyt (intra): K562 cells IP: HeLa cell lysates
<b>General notes</b>	<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>

#### 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>	Preservative: 0.01% Sodium azide Constituents: PBS, 0.05% BSA, 40% Glycerol
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EPR13657
<b>Isotype</b>	IgG

## Applications

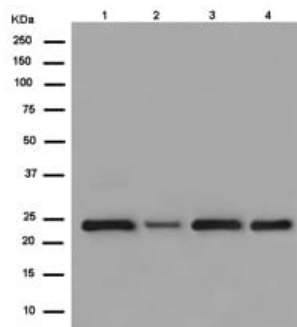
**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab180579 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Flow Cyt (Intra)		1/70. <b>ab172730</b> - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.
IP		1/40.
ICC/IF		1/100.
IHC-P		1/50. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
WB	★★★★★ (3)	1/1000. Predicted molecular weight: 24 kDa.

## Target

<b>Function</b>	Adapter protein able to interact with different proteins and involved in different biological processes. Mediates the interaction between the error-prone DNA polymerase zeta catalytic subunit REV3L and the inserter polymerase REV1, thereby mediating the second polymerase switching in translesion DNA synthesis. Translesion DNA synthesis releases the replication blockade of replicative polymerases, stalled in presence of DNA lesions. May also regulate another aspect of cellular response to DNA damage through regulation of the JNK-mediated phosphorylation and activation of the transcriptional activator ELK1. Inhibits the FZR1- and probably CDC20-mediated activation of the anaphase promoting complex APC thereby regulating progression through the cell cycle. Regulates TCF7L2-mediated gene transcription and may play a role in epithelial-mesenchymal transdifferentiation.
<b>Tissue specificity</b>	Ubiquitously expressed.
<b>Sequence similarities</b>	Contains 1 HORMA domain.
<b>Cellular localization</b>	Nucleus. Cytoplasm > cytoskeleton > spindle. Cytoplasm.

## Images



Western blot - Anti-Mad2L2/REV7 antibody [EPR13657] (ab180579)

**All lanes** : Anti-Mad2L2/REV7 antibody [EPR13657] (ab180579) at 1/1000 dilution

**Lane 1** : K562 cell lysate

**Lane 2** : SW480 cell lysate

**Lane 3** : Hela cell lysate

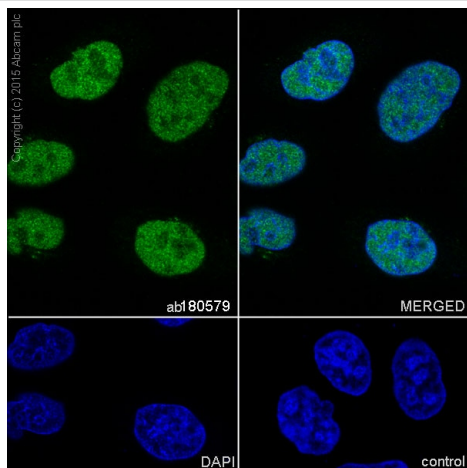
**Lane 4** : Molt-4 cell lysate

Lysates/proteins at 10 µg per lane.

### Secondary

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

**Predicted band size:** 24 kDa

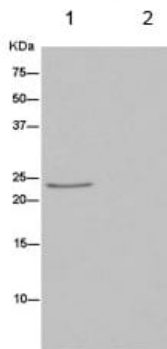


Immunocytochemistry/ Immunofluorescence - Anti-Mad2L2/REV7 antibody [EPR13657] (ab180579)

Immunocytochemistry/Immunofluorescence analysis of HeLa cells labelling Mad2L2/REV7 with **ab129199** at 1/500. Cells were fixed with 4% Paraformaldehyde. **ab150077**, an Alexa Fluor<sup>®</sup> 488-conjugated goat anti-rabbit IgG (1/1000) was used as the secondary antibody.

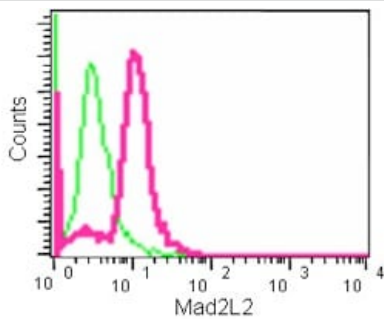
**Control:** PBS only.

**Nuclear counter stain:** DAPI.



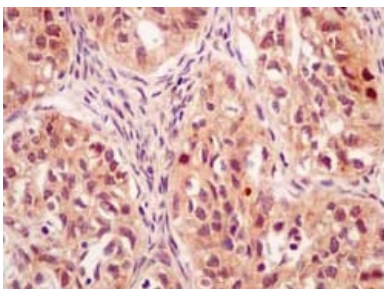
Immunoprecipitation - Anti-Mad2L2/REV7 antibody [EPR13657] (ab180579)

Immunoprecipitation of HeLa cell lysate labeling Mad2L2/REV7 using ab180579 at 1/40 dilution (lane 1) or negative control (lane 2) followed by anti-Rabbit IgG (HRP), specific to the non-reduced form of IgG at 1/1500.



Flow Cytometry (Intracellular) - Anti-Mad2L2/REV7 antibody [EPR13657] (ab180579)


Intracellular flow cytometric analysis of paraformaldehyde fixed K562 cells labeling Mad2L2/REV7 with ab180579 at 1/70 dilution and Goat anti rabbit IgG (FITC) at 1/50.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Mad2L2/REV7 antibody [EPR13657] (ab180579)

Immunohistochemical staining of paraffin-embedded human ovarian carcinoma tissue labeling Mad2L2/REV7 using ab180579 at a 1/50 dilution and ImmunoHistoprobe HRP Polymer for Rabbit IgG. Counterstained with hematoxylin. Heat mediated antigen retrieval was performed with EDTA buffer pH 9 before commencing with IHC staining protocol.

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

Anti-Mad2L2/REV7 antibody [EPR13657]  
(ab180579)

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

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