

Product datasheet

Anti-Mad2L2/REV7 antibody [EPR13657] (Alexa Fluor® 555) ab210653

Recombinant RabMAb

1 Image

Overview

Product name	Anti-Mad2L2/REV7 antibody [EPR13657] (Alexa Fluor® 555)
Description	Rabbit monoclonal [EPR13657] to Mad2L2/REV7 (Alexa Fluor® 555)
Host species	Rabbit
Conjugation	Alexa Fluor® 555. Ex: 555nm, Em: 565nm
Tested applications	Suitable for: ICC/IF
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat ▲
Immunogen	within Human Mad2L2/REV7 aa 150 to the C-terminus. The exact sequence is proprietary. Database link: Q9UI95
Positive control	ICC/IF: HeLa cells
General notes	

This product was previously labelled as Mad2L2

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

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Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Stable for 12 months at -20°C. Store In the Dark.
Storage buffer	pH: 7.4 Preservative: 0.02% Sodium azide Constituents: PBS, 30% Glycerol, 1% BSA
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR13657
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab210653** 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
ICC/IF		1/100. This product gave a positive signal in HeLa cells fixed with 4% formaldehyde (10 min)

Target

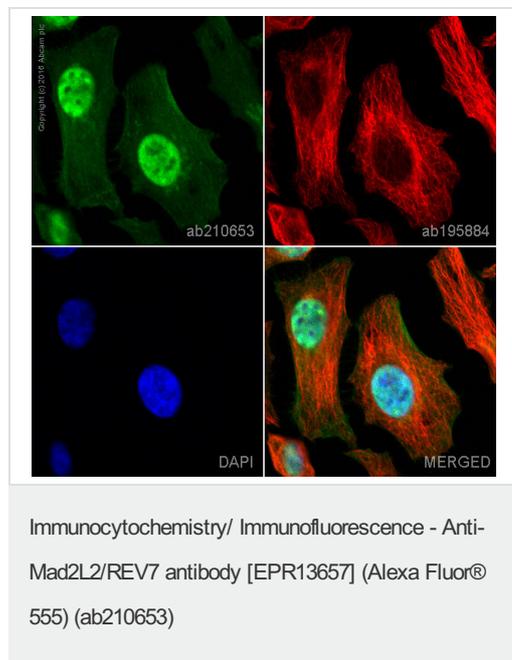
Function	Adapter protein able to interact with different proteins and involved in different biological processes. Mediates the interaction between the error-prone DNA polymerase zeta catalytic subunit REV3L and the inserter polymerase REV1, thereby mediating the second polymerase switching in translesion 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.
Tissue specificity	Ubiquitously expressed.

Sequence similarities

Contains 1 HORMA domain.

Cellular localization

Nucleus. Cytoplasm > cytoskeleton > spindle. Cytoplasm.

Images

ab210653 staining Mad2L2/REV7 in HeLa cells. The cells were fixed with 4% formaldehyde (10 min), permeabilized with 0.1% Triton X-100 for 5 minutes and then blocked with 1% BSA/10% normal goat serum/0.3M glycine in 0.1% PBS-Tween for 1h. The cells were then incubated overnight at +4°C with ab210653 at 1/100 dilution (pseudocolored in green) and ab195884, Rat monoclonal to Tubulin (Alexa Fluor® 647), at 1/250 dilution (shown in red). Nuclear DNA was labelled with DAPI (shown in blue).

Image was taken with a confocal microscope (Leica-Microsystems, TCS SP8).

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