


## Product datasheet

### Anti-MMAB antibody [EPR8695] ab174831

Recombinant RabMAb

3 Images

#### Overview

<b>Product name</b>	Anti-MMAB antibody [EPR8695]
<b>Description</b>	Rabbit monoclonal [EPR8695] to MMAB
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB, ICC/IF <b>Unsuitable for:</b> Flow Cyt, IHC-P or IP
<b>Species reactivity</b>	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Rat  <b>Does not react with:</b> Mouse
<b>Immunogen</b>	Synthetic peptide within Human MMAB aa 1-100 (Cysteine residue). The exact sequence is proprietary. Database link: <a href="#">Q96EY8</a>
<b>Positive control</b>	HepG2, A673 and Human fetal liver lysates; HepG2 cells.
<b>General notes</b>	This product is a recombinant monoclonal antibody, which offers several advantages including: <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> For more information <a href="#">see here</a> . 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> .

#### 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. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant
<b>Purity</b>	Tissue culture supernatant

<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EPR8695
<b>Isotype</b>	IgG

## Applications

**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab174831 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

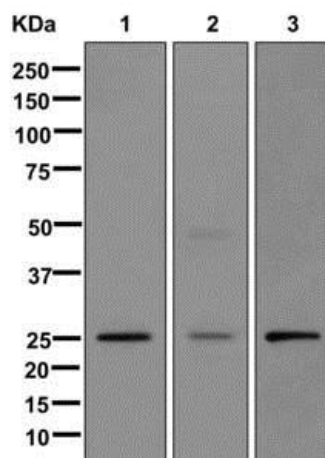
Application	Abreviews	Notes
<b>WB</b>		1/1000 - 1/10000. Predicted molecular weight: 27 kDa.
<b>ICC/IF</b>		1/50 - 1/100.

**Application notes** Is unsuitable for Flow Cyt, IHC-P or IP.

## Target

<b>Tissue specificity</b>	Expressed in liver and skeletal muscle.
<b>Pathway</b>	Cofactor biosynthesis; adenosylcobalamin biosynthesis; adenosylcobalamin from cob(II)yrinate a,c-diamide: step 2/7.
<b>Involvement in disease</b>	Defects in MMAB are the cause of methylmalonic aciduria type cbIB (MMAB) [MIM:251110]; also known as methylmalonic aciduria type B or vitamin B12-responsive methylmalonicaciduria of cbIB complementation type. MMAB is a disorder of methylmalonate and cobalamin metabolism due to defective synthesis of adenosylcobalamin. Inheritance is autosomal recessive.
<b>Sequence similarities</b>	Belongs to the Cob(I)alamin adenosyltransferase family.
<b>Cellular localization</b>	Mitochondrion.

## Images



Western blot - Anti-MMAB antibody [EPR8695]  
(ab174831)

**All lanes :** Anti-MMAB antibody [EPR8695] (ab174831) at 1/1000 dilution

**Lane 1 :** HepG2 cell lysate

**Lane 2 :** Human fetal liver tissue lysate

**Lane 3 :** A673 cell lysate

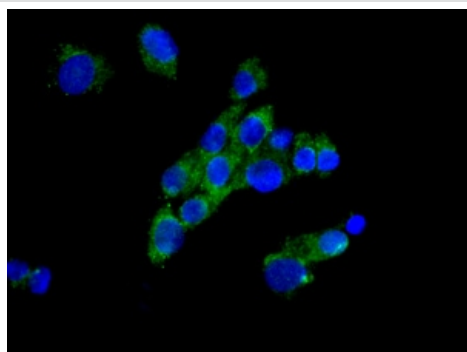
Lysates/proteins at 10 µg per lane.

#### Secondary

**All lanes :** Goat anti-rabbit HRP at 1/2000 dilution

Developed using the ECL technique.

**Predicted band size:** 27 kDa



Immunocytochemistry/ Immunofluorescence - Anti-MMAB antibody [EPR8695] (ab174831)

Immunofluorescent analysis of HepG2 cells, labeling MMAB with ab174831 at 1/50 dilution (green). DAPI nuclear staining (blue).

#### 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-MMAB antibody [EPR8695] (ab174831)

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- Replacement or refund for products not performing as stated on the datasheet
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- 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
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