

Product datasheet

Anti-MRPL16 antibody [EPR14351-63] ab181840

Recombinant RabMAb

4 Images

Overview

| | |
|----------------------------|---|
| Product name | Anti-MRPL16 antibody [EPR14351-63] |
| Description | Rabbit monoclonal [EPR14351-63] to MRPL16 |
| Host species | Rabbit |
| Tested applications | Suitable for: WB, IHC-P |
| Species reactivity | Reacts with: Human |
| Immunogen | Recombinant fragment within Human MRPL16 aa 100-250. The exact sequence is proprietary. Database link: Q9NX20 |
| Positive control | HepG2, 293, HeLa and Human fetal heart lysates; Human colon tissue. |
| General notes | |

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](#).

Reproducibility is key to advancing scientific discovery and accelerating scientists' next breakthrough.

Abcam is leading the way with our range of recombinant antibodies, knockout-validated antibodies and knockout cell lines, all of which support improved reproducibility.

We are also planning to innovate the way in which we present recommended applications and species on our product datasheets, so that only applications & species that have been tested in our own labs, our suppliers or by selected trusted collaborators are covered by our Abpromise[™] guarantee.

In preparation for this, we have started to update the applications & species that this product is Abpromise guaranteed for.

We are also updating the applications & species that this product has been "predicted to work with," however this information is not covered by our Abpromise guarantee.

Applications & species from publications and Abreviews that have not been tested in our own labs or in those of our suppliers are not covered by the Abpromise guarantee.

Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, as well as customer reviews and Q&As.

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 long term. Avoid freeze / thaw cycle. |
| Storage buffer | Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA |
| Purity | Protein A purified |
| Clonality | Monoclonal |
| Clone number | EPR14351-63 |
| Isotype | IgG |

Applications

Our [Abpromise guarantee](#) covers the use of **ab181840** in the following tested applications.

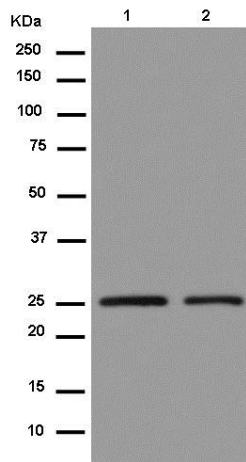
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

| Application | Abreviews | Notes |
|-------------|-----------|--|
| WB | | 1/1000 - 1/10000. Detects a band of approximately 25 kDa (predicted molecular weight: 28 kDa). |
| IHC-P | | 1/50 - 1/100. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol. |

Target

| | |
|------------------------------|---|
| Function | Component of the large subunit of mitochondrial ribosome. |
| Sequence similarities | Belongs to the ribosomal protein L16P family. |
| Cellular localization | Mitochondrion. |

Images



Western blot - Anti-MRPL16 antibody [EPR14351-63] (ab181840)

All lanes : Anti-MRPL16 antibody [EPR14351-63] (ab181840) at 1/10000 dilution

Lane 1 : HepG2 cell lysate

Lane 2 : 293 cell lysate

Lysates/proteins at 20 µg per lane.

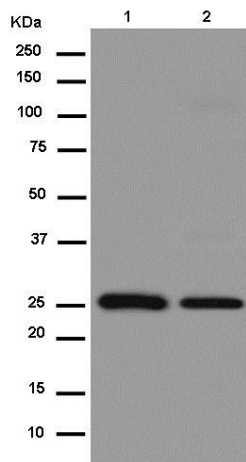
Secondary

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

Predicted band size: 28 kDa

Observed band size: 25 kDa

[why is the actual band size different from the predicted?](#)



Western blot - Anti-MRPL16 antibody [EPR14351-63] (ab181840)

All lanes : Anti-MRPL16 antibody [EPR14351-63] (ab181840) at 1/2000 dilution

Lane 1 : HeLa cell lysate

Lane 2 : Human fetal heart lysate

Lysates/proteins at 20 µg per lane.

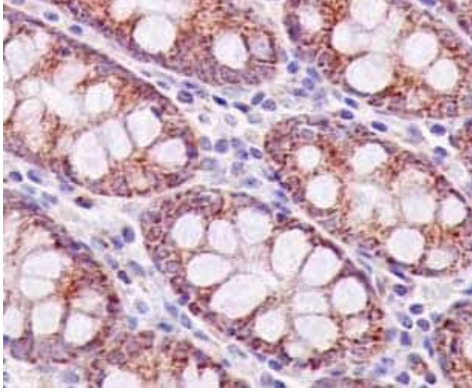
Secondary

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Observed band size: 25 kDa

[why is the actual band size different from the predicted?](#)



Immunohistochemical analysis of paraffin-embedded Human colon tissue labeling MRPL16 with ab181840 at 1/100 dilution, followed by prediluted HRP Polymer for Rabbit IgG. Counter stained with Hematoxylin.

Perform heat mediated antigen retrieval with EDTA buffer pH 9 before commencing with IHC staining protocol.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MRPL16 antibody [EPR14351-63] (ab181840)

Why choose a recombinant antibody?

| | |
|--|--|
|  <p>Research with confidence Consistent and reproducible results</p> |  <p>Long-term and scalable supply Recombinant technology</p> |
|  <p>Success from the first experiment Confirmed specificity</p> |  <p>Ethical standards compliant Animal-free production</p> |

Anti-MRPL16 antibody [EPR14351-63] (ab181840)

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

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- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
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- We investigate all quality concerns to ensure our products perform to the highest standards

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