

Product datasheet

Anti-DMGDH antibody [EPR16907] ab199534

Recombinant RabMAb

[4 Images](#)

Overview

| | |
|----------------------------|--|
| Product name | Anti-DMGDH antibody [EPR16907] |
| Description | Rabbit monoclonal [EPR16907] to DMGDH |
| Host species | Rabbit |
| Tested applications | Suitable for: WB |
| Species reactivity | Reacts with: Mouse, Rat, Human |
| Immunogen | Synthetic peptide. This information is proprietary to Abcam and/or its suppliers. |
| Positive control | Human fetal liver and fetal kidney lysates; Mouse kidney, mouse spleen and rat kidney lysates. |
| General notes | <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 short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle. |
| Storage buffer | pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA |
| Purity | Protein A purified |
| Clonality | Monoclonal |
| Clone number | EPR16907 |
| Isotype | IgG |

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab199534 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. Detects a band of approximately 97 kDa (predicted molecular weight: 97 kDa). |

Target

Pathway

Amine and polyamine degradation; betaine degradation; sarcosine from betaine: step 2/2.

Involvement in disease

Defects in DMGDH are the cause of DMGDH deficiency (DMGDHD) [MIM:605850]. DMGDHD is a disorder characterized by fish odor, muscle fatigue with increased serum creatine kinase. Biochemically it is characterized by an increase of N,N-dimethylglycine (DMG) in serum and urine.

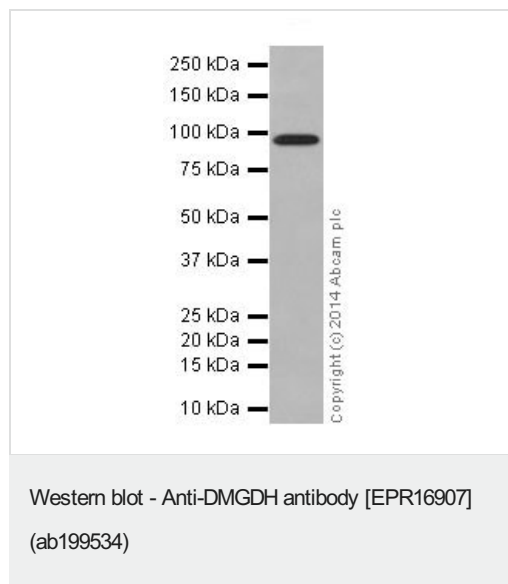
Sequence similarities

Belongs to the GcvT family.

Cellular localization

Mitochondrion.

Images



Anti-DMGDH antibody [EPR16907] (ab199534) at 1/1000 dilution
+ Human fetal liver tissue lysate at 10 µg

Secondary

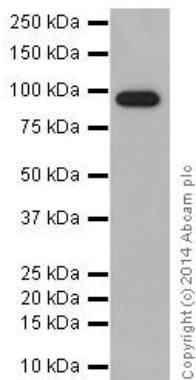
Anti-Rabbit IgG (HRP), specific to the non-reduced form of IgG at
1/1000 dilution

Predicted band size: 97 kDa

Observed band size: 97 kDa

Exposure time: 3 minutes

Blocking/Dilution buffer: 5% NFDm/TBST.



Western blot - Anti-DMGDH antibody [EPR16907] (ab199534)

Anti-DMGDH antibody [EPR16907] (ab199534) at 1/1000 dilution
+ Human fetal kidney lysate at 10 µg

Secondary

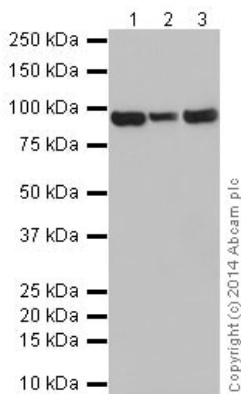
Anti-Rabbit IgG (HRP), specific to the non-reduced form of IgG at 1/1000 dilution

Predicted band size: 97 kDa

Observed band size: 97 kDa

Exposure time: 1 minute

Blocking/Dilution buffer: 5% NFDM/TBST.



Western blot - Anti-DMGDH antibody [EPR16907] (ab199534)

All lanes : Anti-DMGDH antibody [EPR16907] (ab199534) at 1/1000 dilution

Lane 1 : Mouse kidney lysate

Lane 2 : Mouse spleen lysate

Lane 3 : Rat kidney 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: 97 kDa

Observed band size: 97 kDa

Exposure time: 3 minutes

Blocking/Dilution buffer: 5% NFDM/TBST.

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-DMGDH antibody [EPR16907] (ab199534)

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

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