

Anti-HMGCS2 antibody [EPR8642] ab137043

リコンビナント RabMAb

★★★★★ **6 Abreviews** **29 References** 画像数 10

製品の概要

製品名	Anti-HMGCS2 antibody [EPR8642]
製品の詳細	Rabbit monoclonal [EPR8642] to HMGCS2
由来種	Rabbit
特異性	Does not cross react with HMGCS1.
アプリケーション	適用あり: IHC-P, WB 適用なし: Flow Cyt or ICC/IF
種交差性	交差種: Mouse, Rat, Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
ポジティブ・コントロール	WB: Human fetal liver, mouse kidney and rat kidney tissue lysates and Caco 2 cell lysate. IHC-P: Human, mouse and rat liver tissues and human colon tissue.
特記事項	<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>

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Avoid freeze / thaw cycle.
バッファー	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 40% Glycerol, 0.05% BSA, 59% PBS
精製度	Protein A purified
ポリ/モノ	モノクローナル

クローン名 EPR8642
アイソタイプ IgG

アプリケーション

The Abpromise guarantee **Abpromise保証は、次のテスト済みアプリケーションにおけるab137043の使用に適用されます**
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
IHC-P	★★★★★ (4)	1/50 - 1/500. Perform heat mediated antigen retrieval before commencing with IHC staining protocol. See <u>IHC antigen retrieval protocols</u> .
WB		1/1000 - 1/10000. Detects a band of approximately 50 kDa (predicted molecular weight: 57 kDa).

追加情報 Is unsuitable for Flow Cyt or ICC/IF.

ターゲット情報

機能 This enzyme condenses acetyl-CoA with acetoacetyl-CoA to form HMG-CoA, which is the substrate for HMG-CoA reductase.

組織特異性 High expression in liver and colon. Low expression in testis, heart, skeletal muscle and kidney.

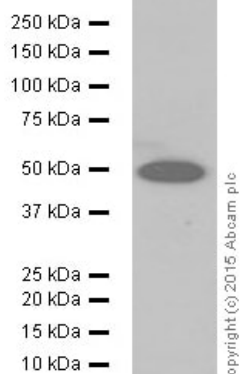
パスウェイ Metabolic intermediate biosynthesis; (R)-mevalonate biosynthesis; (R)-mevalonate from acetyl-CoA: step 2/3.

関連疾患 Defects in HMGCS2 are the cause of HMG-CoA synthase deficiency (HMGCS deficiency) [MIM:605911]; also known as deficiency of mitochondrial 3-hydroxy-3-methylglutaryl-CoA synthase 2. Affected individuals present with severe hypoketotic hypoglycemia, mild hepatomegaly, or fatty liver, and a nondiagnostic pattern of urinary organic acids with increase of medium and short chain dicarboxylic acids.

配列類似性 Belongs to the HMG-CoA synthase family.

細胞内局在 Mitochondrion.

画像



Western blot - Anti-HMGCS2 antibody [EPR8642]
(ab137043)

Anti-HMGCS2 antibody [EPR8642] (ab137043) at 1/10000 dilution
(purified) + Human fetal liver tissue lysate at 10 μ g

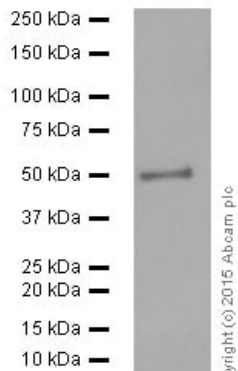
Secondary

HRP-conjugated goat anti-rabbit IgG (specific to the non-reduced
form of IgG) at 1/1000 dilution

Predicted band size: 57 kDa

Observed band size: 50 kDa

Blocking and dilution buffer: 5% NFDM /TBST.



Western blot - Anti-HMGCS2 antibody [EPR8642]
(ab137043)

Anti-HMGCS2 antibody [EPR8642] (ab137043) at 1/1000 dilution
(purified) + Rat kidney tissue lysate at 20 μ g

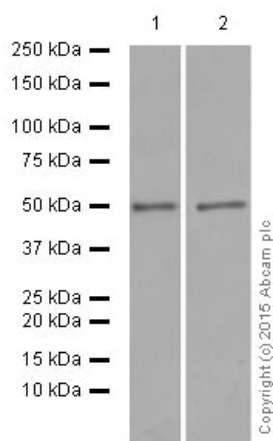
Secondary

HRP-conjugated goat anti-rabbit IgG (specific to the non-reduced
form of IgG) at 1/1000 dilution

Predicted band size: 57 kDa

Observed band size: 50 kDa

Blocking and dilution buffer: 5% NFDM /TBST.



Western blot - Anti-HMGCS2 antibody [EPR8642]
(ab137043)

All lanes : Anti-HMGCS2 antibody [EPR8642] (ab137043) at 1/5000 dilution (purified)

Lane 1 : Caco-2 whole cell lysate

Lane 2 : Mouse kidney tissue lysate

Lysates/proteins at 20 µg per lane.

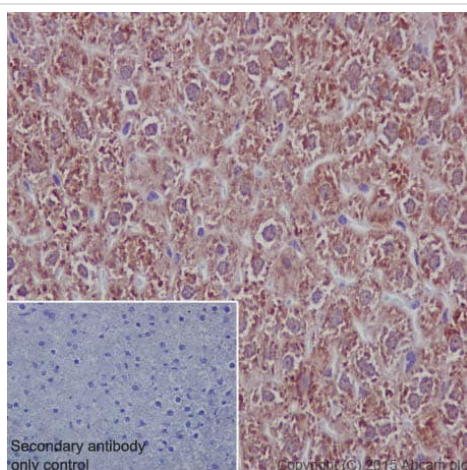
Secondary

All lanes : HRP-conjugated goat anti-rabbit IgG (specific to the non-reduced form of IgG) at 1/1000 dilution

Predicted band size: 57 kDa

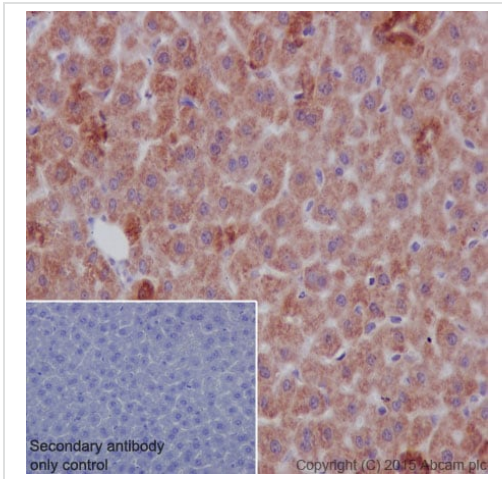
Observed band size: 50 kDa

Blocking and dilution buffer: 5% NFDM /TBST.



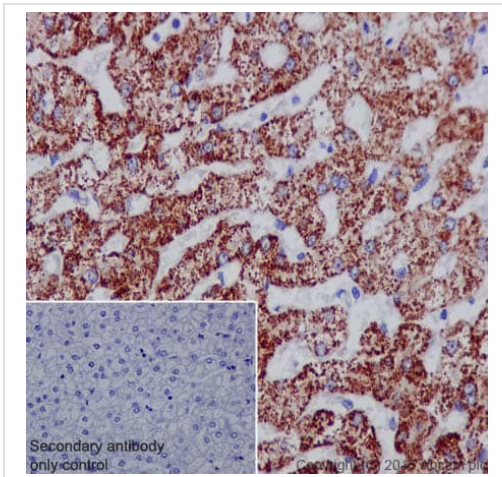
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-HMGCS2 antibody [EPR8642] (ab137043)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of rat liver tissue labelling HMGCS2 with purified ab137043 at a dilution of 1/500. Heat mediated antigen retrieval was performed using Tris/EDTA buffer pH 9. [ab97051](#), a HRP-conjugated goat anti-rabbit IgG (H+L) was used as the secondary antibody (1/500). Negative control using PBS instead of primary antibody. Counterstained with hematoxylin.



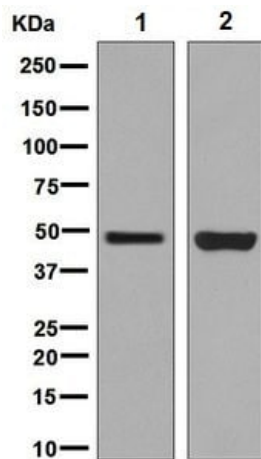
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-HMGCS2 antibody [EPR8642] (ab137043)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of mouse liver tissue labelling HMGCS2 with purified ab137043 at a dilution of 1/500. Heat mediated antigen retrieval was performed using Tris/EDTA buffer pH 9. [ab97051](#), a HRP-conjugated goat anti-rabbit IgG (H+L) was used as the secondary antibody (1/500). Negative control using PBS instead of primary antibody. Counterstained with hematoxylin.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-HMGCS2 antibody [EPR8642] (ab137043)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human liver tissue labelling HMGCS2 with purified ab137043 at a dilution of 1/500. Heat mediated antigen retrieval was performed using Tris/EDTA buffer pH 9. [ab97051](#), a HRP-conjugated goat anti-rabbit IgG (H+L) was used as the secondary antibody (1/500). Negative control using PBS instead of primary antibody. Counterstained with hematoxylin.



Western blot - Anti-HMGCS2 antibody [EPR8642] (ab137043)

All lanes : Anti-HMGCS2 antibody [EPR8642] (ab137043) at 1/1000 dilution (unpurified)

Lane 1 : Human fetal liver lysate

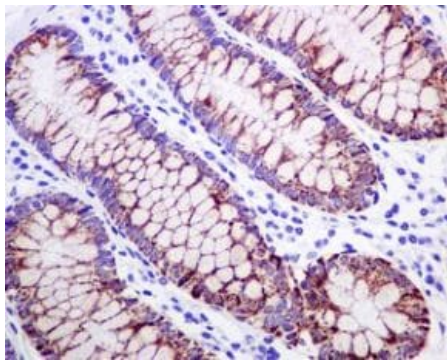
Lane 2 : Caco 2 lysate

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : HRP-conjugated goat anti-rabbit IgG at 1/2000 dilution

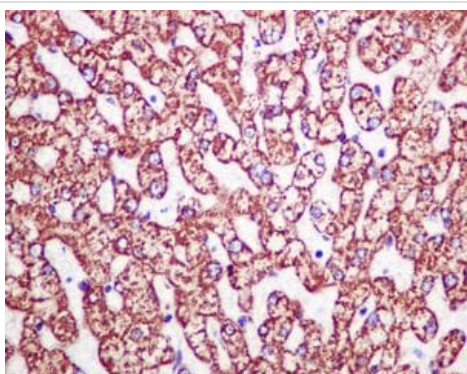
Predicted band size: 57 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-HMGCS2 antibody [EPR8642] (ab137043)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human colon tissue labelling HMGCS2 with unpurified ab137043 at a dilution of 1/50.

Perform heat mediated antigen retrieval before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-HMGCS2 antibody [EPR8642] (ab137043)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human liver tissue labelling HMGCS2 with unpurified ab137043 at a dilution of 1/50.

Perform heat mediated antigen retrieval 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



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Animal-free production

Anti-HMGCS2 antibody [EPR8642] (ab137043)

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