

Anti-HMGCL antibody [EPR15551] ab197022

リコンビナント RabMAb

1 References [画像数 5](#)

製品の概要

製品名	Anti-HMGCL antibody [EPR15551]
製品の詳細	Rabbit monoclonal [EPR15551] to HMGCL
由来種	Rabbit
アプリケーション	適用あり: IHC-P, WB
種交差性	交差種: 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: 293, Human testis and A431 cell lysates. IHC: Human liver 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 long term. Avoid freeze / thaw cycle.
バッファー	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
精製度	Protein A purified
ポリ/モノ	モノクローナル
クローン名	EPR15551
アイソタイプ	IgG

アプリケーション

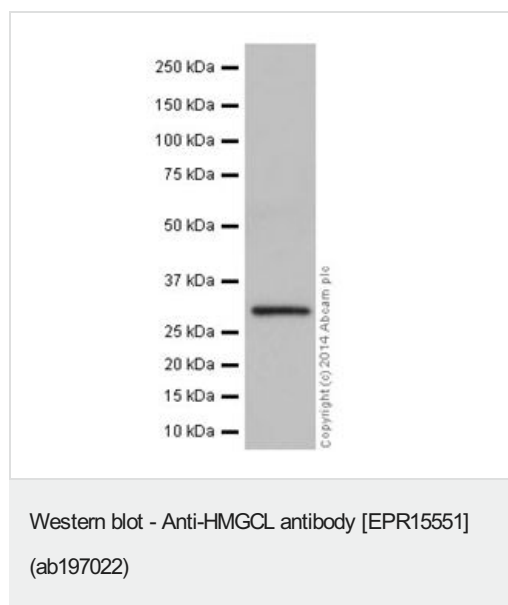
The Abpromise guarantee Abpromise保証は、次のテスト済みアプリケーションにおけるab197022の使用に適用されます
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
IHC-P		1/500. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
WB		1/1000. Detects a band of approximately 34 kDa (predicted molecular weight: 34 kDa).

ターゲット情報

機能	Involved in the catabolism of branched amino acids such as leucine.
組織特異性	Fibroblasts, liver and lymphoblasts.
パスウェイ	Metabolic intermediate metabolism; (S)-3-hydroxy-3-methylglutaryl-CoA degradation; acetoacetate from (S)-3-hydroxy-3-methylglutaryl-CoA: step 1/1.
関連疾患	Defects in HMGCL are the cause of 3-hydroxy-3-methylglutaryl-CoA lyase deficiency (HMGCLD) [MIM:246450]; also known as hydroxymethylglutaricaciduria or HL deficiency. An autosomal recessive disease affecting ketogenesis and L-leucine catabolism. The disease usually appears in the first year of life after a fasting period and its clinical acute symptoms include vomiting, seizures, metabolic acidosis, hypoketotic hypoglycemia and lethargy. These symptoms sometimes progress to coma, with fatal outcome in some cases.
配列類似性	Belongs to the HMG-CoA lyase family.
細胞内局在	Mitochondrion matrix.

画像



Anti-HMGCL antibody [EPR15551] (ab197022) at 1/1000 dilution + 293 (Human epithelial cells from embryonic kidney) cell lysate at 20 µg

Secondary

Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

Developed using the ECL technique.

Predicted band size: 34 kDa

Exposure time: 3 minutes

Blocking/Dilution buffer: 5% NFDm/TBST.

Anti-HMGCL antibody [EPR15551] (ab197022) at 1/5000 dilution +
Human testis lysate at 10 µg

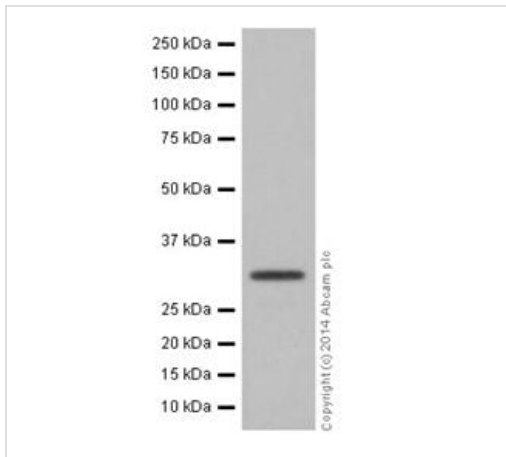
Secondary

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

Developed using the ECL technique.

Predicted band size: 34 kDa

Exposure time: 1 minute



Western blot - Anti-HMGCL antibody [EPR15551]
(ab197022)

Blocking/Dilution buffer: 5% NFDm/TBST.

Anti-HMGCL antibody [EPR15551] (ab197022) at 1/10000 dilution
+ A431 (Human epidermoid carcinoma) cell lysate at 20 µg

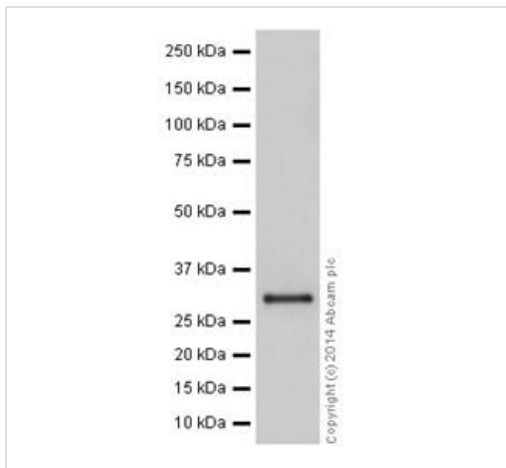
Secondary

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

Developed using the ECL technique.

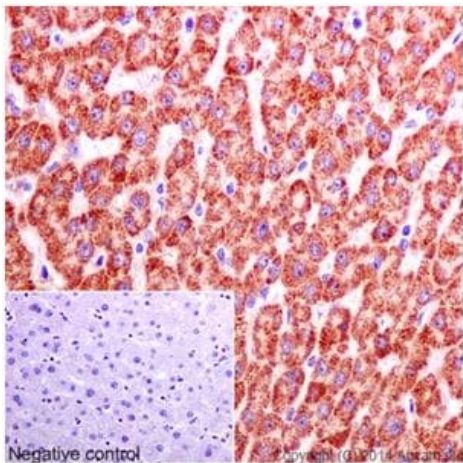
Predicted band size: 34 kDa

Exposure time: 3 minutes



Western blot - Anti-HMGCL antibody [EPR15551]
(ab197022)

Blocking/dilution buffer: 5% NFDm/TBST.



Immunohistochemical analysis of paraffin-embedded human liver tissue labeling HMGCL with ab197022 at 1/500 dilution followed by Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/500 dilution. Counter stained with hematoxylin.

Inset image: negative control obtained using PBS instead of ab197022 and secondary antibody only.

Note: Cytoplasm staining on human liver tissue was observed.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-HMGCL antibody [EPR15551] (ab197022)

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-HMGCL antibody [EPR15551] (ab197022)

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