

# Anti-Liver Carboxylesterase 1/CES1 antibody [EP1376Y] - BSA and Azide free ab235996

リコンビナント RabMAb

画像数 3

### 製品の概要

製品名	Anti-Liver Carboxylesterase 1/CES1 antibody [EP1376Y] - BSA and Azide free
製品の詳細	Rabbit monoclonal [EP1376Y] to Liver Carboxylesterase 1/CES1 - BSA and Azide free
由来種	Rabbit
アプリケーション	<b>適用あり:</b> IP, IHC-P, WB, ICC/IF
種交差性	<b>交差種:</b> 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	IHC-P: Human liver tissue. ICC/IF: U-937 cells IP: U-937 whole cell lysate.
特記事項	<p>ab235996 is the carrier-free version of <a href="#">ab53008</a>.</p> <p>Our <b>carrier-free</b> antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.</p> <p>This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.</p> <p>Use our <b>conjugation kits</b> for antibody conjugates that are ready-to-use in as little as 20 minutes with &lt;1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.</p> <p>This product is compatible with the Maxpar<sup>®</sup> Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar<sup>®</sup> is a trademark of Fluidigm Canada Inc.</p> <p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <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> <p>For more information <a href="#">see here</a>.</p> <p>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>.</p> <p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years.</p>

Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. 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, along with publications, customer reviews and Q&As

Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.

## 製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C. Do Not Freeze.
バッファー	pH: 7.2 Constituent: PBS
キャリア・フリー	はい
精製度	Protein A purified
ポリ/モノ	モノクローナル
クローン名	EP1376Y
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ab235996の使用に適用されず  
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
IP		Use at an assay dependent concentration.
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
WB		Use at an assay dependent concentration. Detects a band of approximately 60 kDa (predicted molecular weight: 65 kDa).
ICC/IF		Use at an assay dependent concentration.

## ターゲット情報

**機能**  
Involved in the detoxification of xenobiotics and in the activation of ester and amide prodrugs. Hydrolyzes aromatic and aliphatic esters, but has no catalytic activity toward amides or a fatty acyl-CoA ester. Hydrolyzes the methyl ester group of cocaine to form benzoylecgonine. Catalyzes the transesterification of cocaine to form cocaethylene. Displays fatty acid ethyl ester synthase

**組織特異性**

activity, catalyzing the ethyl esterification of oleic acid to ethyloleate.

**配列類似性**

Expressed predominantly in liver with lower levels in heart and lung.

**翻訳後修飾**

Belongs to the type-B carboxylesterase/lipase family.

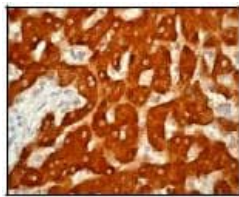
Contains sialic acid.

Cleavage of the signal sequence can occur at 2 positions, either between Trp-17 and Gly-18 or between Gly-18 and His-19.

**細胞内局在**

Endoplasmic reticulum lumen.

**画像**

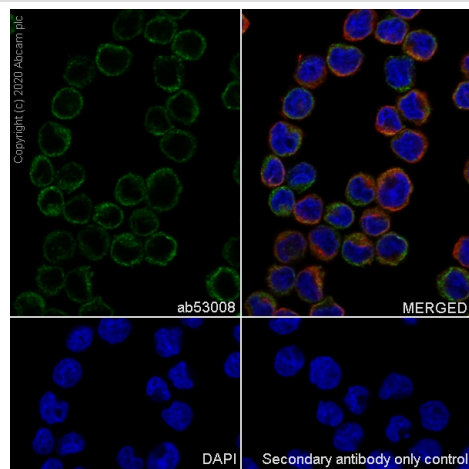


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Liver Carboxylesterase 1/CES1 antibody [EP1376Y] - BSA and Azide free (ab235996)

**ab53008**, at a 1/250 dilution, staining Human SOAT 1 in Liver using Immunohistochemistry, Paraffin embedded tissue.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab53008**).

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

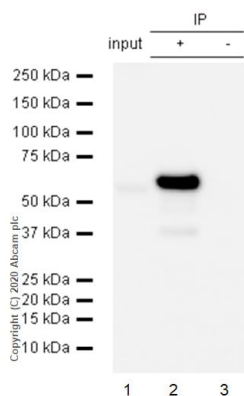


Immunocytochemistry/ Immunofluorescence - Anti-Liver Carboxylesterase 1/CES1 antibody [EP1376Y] - BSA and Azide free (ab235996)

This data was developed using the same antibody clone in a different buffer formulation (**ab53008**).

Immunocytochemistry analysis of U-937 (human histiocytic lymphoma monocyte) labeling Liver Carboxylesterase 1/CES1 with purified **ab53008** at 1/50 dilution (5 µg/ml). Cells were fixed with 4% Paraformaldehyde and permeabilised with 0.1% tritonX-100. Goat anti rabbit IgG (Alexa Fluor® 488, **ab150077**) at 1/1000 (2 µg/ml) was used as the secondary antibody. **ab195889** Anti-alpha Tubulin antibody [DM1A] - Microtubule Marker (Alexa Fluor® 594) 1/200 (2.15 µg/ml) was used as counterstain. Nuclei were stained blue with DAPI.

Negative control: PBS instead of the primary antibody.



Immunoprecipitation - Anti-Liver Carboxylesterase 1/CES1 antibody [EP1376Y] - BSA and Azide free (ab235996)

This data was developed using **ab53008**, the same antibody clone in a different buffer formulation.

Purified **ab53008** at 1/100 dilution (2µg) immunoprecipitating Liver Carboxylesterase 1/CES1 in U-937 whole cell lysate.

Lane 1 (input): U-937 (Human histiocytic lymphoma monocyte) whole cell lysate 10µg

Lane 2 (+): **ab53008** + U-937 whole cell lysate.

Lane 3 (-): Rabbit monoclonal IgG (**ab172730**) instead of **ab53008** in U-937 whole cell lysate.

VeriBlot for IP Detection Reagent (HRP) (**ab131366**) (1/1000 dilution) was used for Western blotting.

Blocking Buffer and concentration: 5% NFDm/TBST.

Diluting buffer and concentration: 5% NFDm/TBST.

Observed band size: 60 kDa

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

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