abcam

Product datasheet

Anti-Scavenging Receptor SR-BI antibody [EPR20190] - BSA and Azide free ab272003

KO 評価済 リコンビナント RabMAb

画像数 10

製品の概要

製品名	Anti-Scavenging Receptor SR-BI antibody [EPR20190] - BSA and Azide free
製品の詳細	Rabbit monoclonal [EPR20190] to Scavenging Receptor SR-BI - BSA and Azide free
由来種	Rabbit
アプリケーション	**適用あり:** WB, IHC-P, ICC/IF, IP
種交差性	**交差種:** Mouse, Rat, Human
免疫原	Recombinant fragment. 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, diffuse large B cell lymphoma and hepatocellular carcinoma tissues; Mouse liver tissue; Rat liver and cerebral cortex tissues. ICC/IF: HepG2 cells. IP: Human fetal liver lysate.
特記事項	ab272003 is the carrier-free version of **ab217318**. Our **carrier-free** 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. 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. Use our **conjugation kits** for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold. This product is compatible with the Maxpar® Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar® is a trademark of Fluidigm Canada Inc. 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**.

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	EPR20190
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ab272003の使用に適用されます

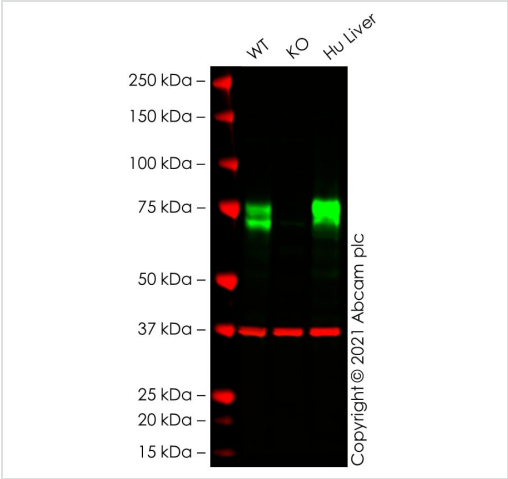
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
WB		Use at an assay dependent concentration. Predicted molecular weight: 60 kDa.
IHC-P		Use at an assay dependent concentration.
ICC/IF		Use at an assay dependent concentration.
IP		Use at an assay dependent concentration.

ターゲット情報

機能	Receptor for different ligands such as phospholipids, cholesterol ester, lipoproteins, phosphatidylserine and apoptotic cells. Probable receptor for HDL, located in particular region of the plasma membrane, called caveolae. Facilitates the flux of free and esterified cholesterol between the cell surface and extracellular donors and acceptors, such as HDL and to a lesser extent, apoB-containing lipoproteins and modified lipoproteins. Probably involved in the phagocytosis of apoptotic cells, via its phosphatidylserine binding activity. Receptor for hepatitis C virus glycoprotein E2. Binding between SCARB1 and E2 was found to be independent of the genotype of the viral isolate. Plays an important role in the uptake of HDL cholesteryl ester.
組織特異性	Widely expressed.
配列類似性	Belongs to the CD36 family.
翻訳後修飾	N-glycosylated.
細胞内局在	Cell membrane. Membrane > caveola. Predominantly localized to cholesterol and sphingomyelin-enriched domains within the plasma membrane, called caveolae.

画像



Western blot - Anti-Scavenging Receptor SR-BI antibody [EPR20190] - BSA and Azide free (ab272003)

All lanes : Anti-Scavenging Receptor SR-BI antibody [EPR20190] (**ab217318**) at 1/2000 dilution

Lane 1 : Wild-type HEK-293T cell lysate
Lane 2 : SCARB1 knockout HEK-293T cell lysate
Lane 3 : Human Liver cell lysate

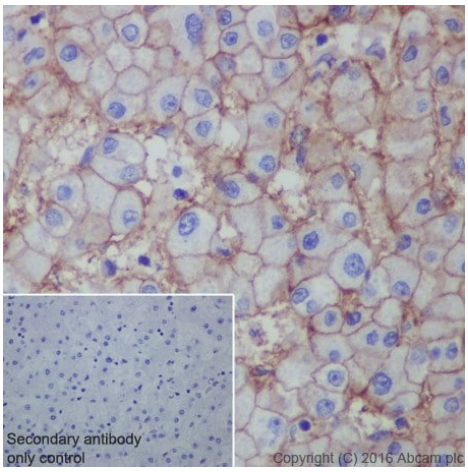
Lysates/proteins at 20 µg per lane.

Performed under reducing conditions.

Predicted band size: 60 kDa
Observed band size: 70,75 kDa

False colour image of Western blot: Anti-Scavenging Receptor SR-BI antibody [EPR20190] staining at 1/2000 dilution, shown in green; Mouse anti-GAPDH antibody [6C5] (**ab8245**) loading control staining at 1/20000 dilution, shown in red. In Western blot, **ab217318** was shown to bind specifically to Scavenging Receptor SR-BI. A band was observed at 70/75 kDa in wild-type HEK-293T cell lysates with no signal observed at this size in SCARB1 knockout cell line **ab282646** (knockout cell lysate **ab283046**). To generate this image, wild-type and SCARB1 knockout HEK-293T cell lysates were analysed. First, samples were run on an SDS-PAGE gel then transferred onto a nitrocellulose membrane. Membranes were blocked in 3 % milk in TBS-0.1 % Tween® 20 (TBS-T) before incubation with primary antibodies overnight at 4 °C. Blots were washed four times in TBS-T, incubated with secondary antibodies for 1 h at room temperature, washed again four times then imaged. Secondary antibodies used were Goat anti-Rabbit IgG H&L (IRDye® 800CW) preabsorbed (**ab216773**) and Goat anti-Mouse IgG H&L (IRDye® 680RD) preabsorbed (**ab216776**) at 1/20000 dilution.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab217318**).



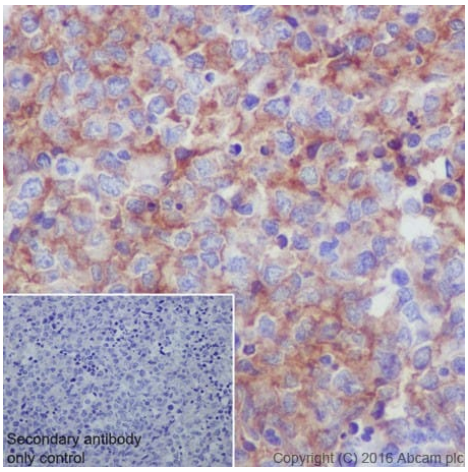
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Scavenging Receptor SR-BI antibody [EPR20190] - BSA and Azide free (ab272003)

Immunohistochemical analysis of paraffin-embedded human liver tissue labeling Scavenging Receptor SR-BI with **ab217318** at 1/1000 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) Ready to use. Membranous staining on human liver is observed. Counter stained with Hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) Ready to use.

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

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab217318**).



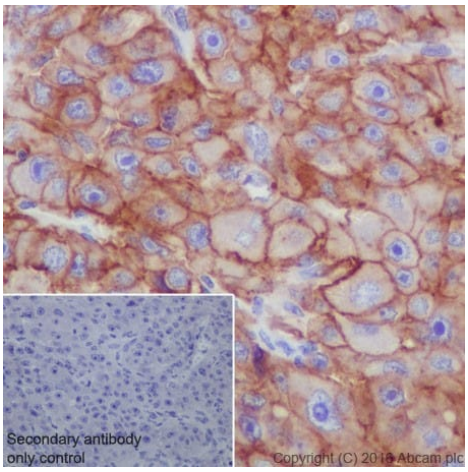
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Scavenging Receptor SR-BI antibody [EPR20190] - BSA and Azide free (ab272003)

Immunohistochemical analysis of paraffin-embedded human diffuse large B cell lymphoma tissue labeling Scavenging Receptor SR-BI with **ab217318** at 1/1000 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) Ready to use. Membranous and cytoplasmic staining on human diffuse large B cell lymphoma is observed. Counter stained with Hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) Ready to use.

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

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab217318**).



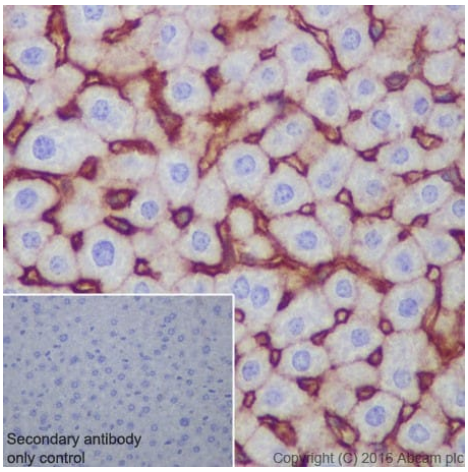
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Scavenging Receptor SR-BI antibody [EPR20190] - BSA and Azide free (ab272003)

Immunohistochemical analysis of paraffin-embedded human hepatocellular carcinoma tissue labeling Scavenging Receptor SR-BI with **ab217318** at 1/1000 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) Ready to use. Membranous staining on human hepatocellular carcinoma is observed. Counter stained with Hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) Ready to use.

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

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab217318**).



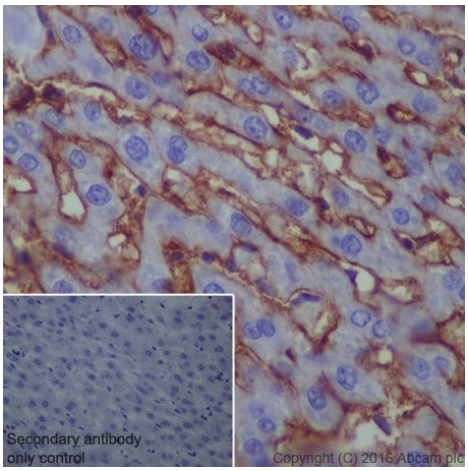
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Scavenging Receptor SR-BI antibody [EPR20190] - BSA and Azide free (ab272003)

Immunohistochemical analysis of paraffin-embedded mouse liver tissue labeling Scavenging Receptor SR-BI with **ab217318** at 1/1000 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) Ready to use. Membranous staining on mouse liver is observed. Counter stained with Hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) Ready to use.

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

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab217318**).



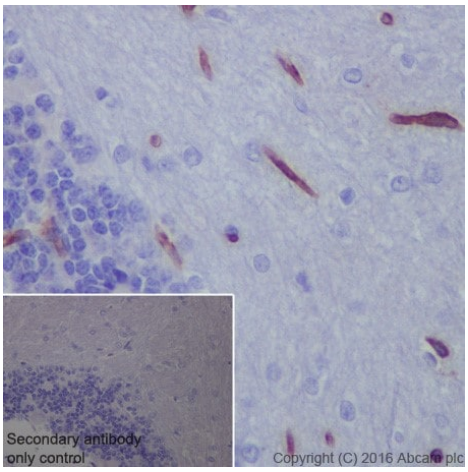
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Scavenging Receptor SR-BI antibody [EPR20190] - BSA and Azide free (ab272003)

Immunohistochemical analysis of paraffin-embedded rat liver tissue labeling Scavenging Receptor SR-BI with **ab217318** at 1/1000 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) Ready to use. Membranous and cytoplasmic staining on rat liver is observed. Counter stained with Hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) Ready to use.

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

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab217318**).



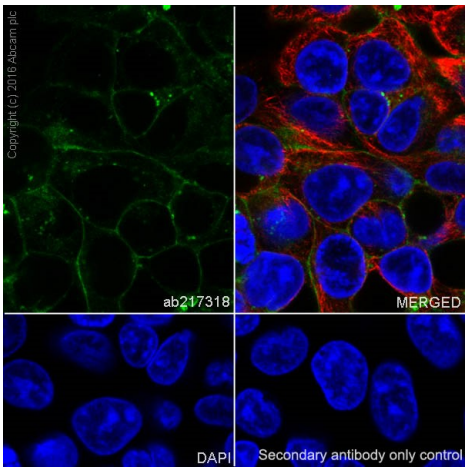
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Scavenging Receptor SR-BI antibody [EPR20190] - BSA and Azide free (ab272003)

Immunohistochemical analysis of paraffin-embedded rat cerebral cortex tissue labeling Scavenging Receptor SR-BI with **ab217318** at 1/1000 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) Ready to use. Membranous and cytoplasmic staining on rat cerebral cortex blood vessel endothelium is observed. Counter stained with Hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) Ready to use.

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

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab217318**).



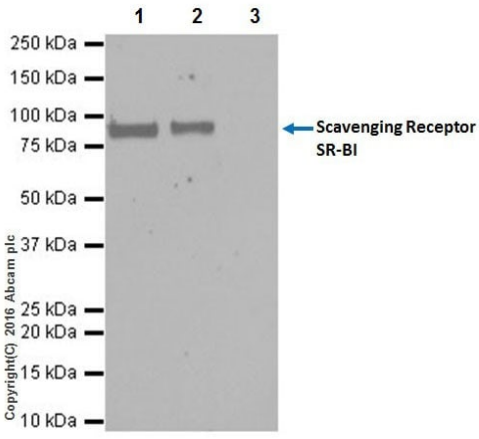
Immunocytochemistry/ Immunofluorescence - Anti-Scavenging Receptor SR-BI antibody [EPR20190] - BSA and Azide free (ab272003)

Immunofluorescent analysis of 100% methanol fixed HepG2 (Human liver hepatocellular carcinoma cell line) cells labeling Scavenging Receptor SR-BI with **ab217318** at 1/100 dilution, followed by Goat anti-rabbit IgG (Alexa Fluor® 488) (**ab150077**) secondary antibody at 1/1000 dilution (green). Confocal image showing membranous staining on HepG2 cell line.

The nuclear counter stain is DAPI (blue). Tubulin is detected with **ab195889** (Anti-alpha Tubulin antibody [DM1A] - Microtubule Marker (Alexa Fluor® 594)) at 1/200 dilution (red).

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat anti-rabbit IgG (Alexa Fluor® 488) (**ab150077**) at 1/1000 dilution.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab217318**).



Immunoprecipitation - Anti-Scavenging Receptor SR-BI antibody [EPR20190] - BSA and Azide free (ab272003)

Scavenging Receptor SR-BI was immunoprecipitated from 0.35 mg of human fetal liver lysate with **ab217318** at 1/30 dilution. Western blot was performed from the immunoprecipitate using **ab217318** at 1/1000 dilution. VeriBlot for IP Detection Reagent (HRP) (**ab131366**), was used for detection at 1/10000 dilution.

Lane 1: Human fetal liver lysate, 10 µg (Input).

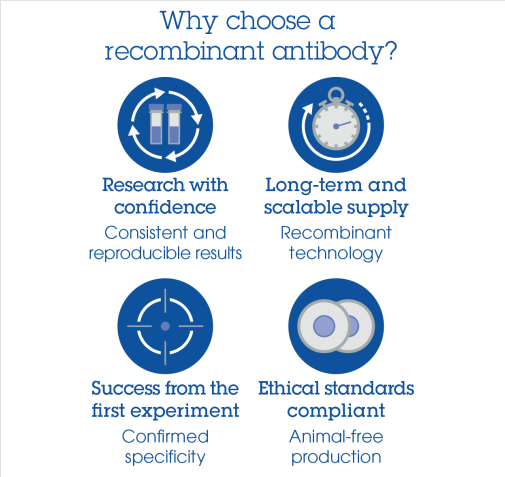
Lane 2: **ab217318** IP in human fetal liver lysate.

Lane 3: Rabbit monoclonal IgG (**ab172730**) instead of **ab217318** in human fetal liver lysate.

Blocking and dilution buffer and concentration: 5% NFDM/TBST.

Exposure time: 30 seconds.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab217318**).



Anti-Scavenging Receptor SR-BI antibody

[EPR20190] - BSA and Azide free (ab272003)

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