


Anti-Albumin antibody [EPR20195] - BSA and Azide free ab271979

リコンビナント **RabMAb**

画像数 5

製品の概要

製品名	Anti-Albumin antibody [EPR20195] - BSA and Azide free
製品の詳細	Rabbit monoclonal [EPR20195] to Albumin - BSA and Azide free
由来種	Rabbit
アプリケーション	適用あり: Flow Cyt (Intra), ICC/IF, WB, IP
種交差性	交差種: Human 交差が予測される動物種: Mouse, Rat 
免疫原	Full length native protein (purified) corresponding to Human Albumin aa 1 to the C-terminus. (Purified Proteins from Normal Serum). Database link: P02768
ポジティブ・コントロール	WB: Human, mouse and rat liver and plasma lysates. Human serum lysates. Human fetal kidney and spleen lysates. Mouse and rat spleen and kidney lysates. HepG2, NIH/3T3 and PC-12 whole cell lysates. CC/IF: HepG2 cells. Flow Cyt (intra): HepG2 cells. IP: HepG2 whole cell lysate.
特記事項	<p>ab271979 is the carrier-free version of ab207327.</p> <p>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.</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 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.</p> <p>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.</p> <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

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	EPR20195
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ab271979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
Flow Cyt (Intra)		Use at an assay dependent concentration. Permeabilization is required.
ICC/IF		Use at an assay dependent concentration.
WB		Use at an assay dependent concentration. Predicted molecular weight: 69 kDa.
IP		Use at an assay dependent concentration.

ターゲット情報

機能	Serum albumin, the main protein of plasma, has a good binding capacity for water, Ca(2+), Na(+), K(+), fatty acids, hormones, bilirubin and drugs. Its main function is the regulation of the colloidal osmotic pressure of blood. Major zinc transporter in plasma, typically binds about 80% of all plasma zinc.
組織特異性	Plasma.
関連疾患	Defects in ALB are a cause of familial dysalbuminemic hyperthyroxinemia (FDH) [MIM:103600]. FDH is a form of euthyroid hyperthyroxinemia that is due to increased affinity of ALB for T(4). It is the most common cause of inherited euthyroid hyperthyroxinemia in Caucasian population.
配列類似性	Belongs to the ALB/AFP/VDB family. Contains 3 albumin domains.

翻訳後修飾

Kenitra variant is partially O-glycosylated at Thr-620. It has two new disulfide bonds Cys-600 to Cys-602 and Cys-601 to Cys-606.

Glycated in diabetic patients.

Phosphorylation sites are present in the extracellular medium.

Acetylated on Lys-223 by acetylsalicylic acid.

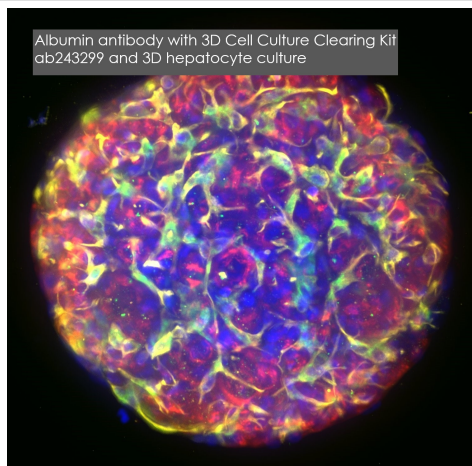
細胞内局在

Secreted.

製品の状態

There are 2 isoforms produced by alternative splicing.

画像



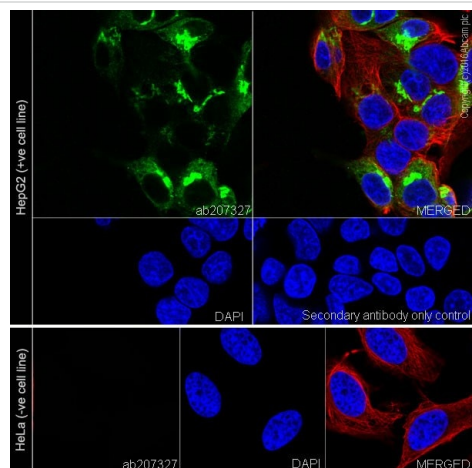
Immunocytochemistry/ Immunofluorescence - Anti-Albumin antibody [EPR20195] - BSA and Azide free (ab271979)

Albumin antibody [ab207327](#) was used with 3D Cell Culture Clearing Kit [ab243299](#) to penetrate, stain and clear a 3D hepatocyte cell culture.

Blue: DAPI, Green: CD68, Yellow: Albumin, Red: Vimentin

Learn more about **3D cell culture and tissue clearing kits, reagents, and protocols** designed to make it easier to stain 3D cell cultures and thick tissue sections and get more data from each valuable tissue section.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab207327](#)).



Immunocytochemistry/ Immunofluorescence - Anti-Albumin antibody [EPR20195] - BSA and Azide free (ab271979)

Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0.1% Triton X-100 permeabilized HepG2 (Human liver hepatocellular carcinoma cell line) or HeLa (Human epithelial cell line from cervix adenocarcinoma) cells labeling Albumin with [ab207327](#) at 1/500 dilution, followed by Goat anti-rabbit IgG (Alexa Fluor[®] 488) ([ab150077](#)) secondary antibody at 1/1000 dilution (green).

Confocal image showing cytoplasmic staining on HepG2 cell line.

Negative control: HeLa (PMID: 10476216 and 8314088)).

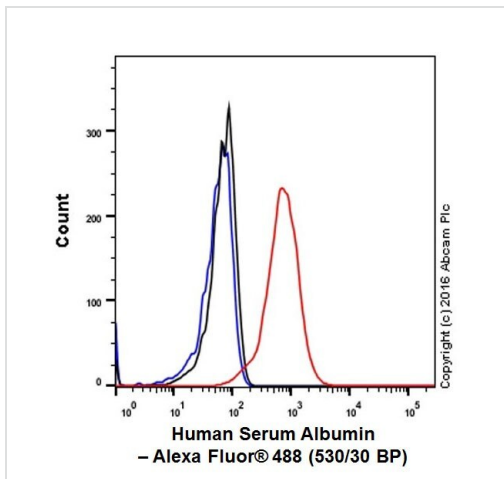
The nuclear counterstain is DAPI (blue).

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

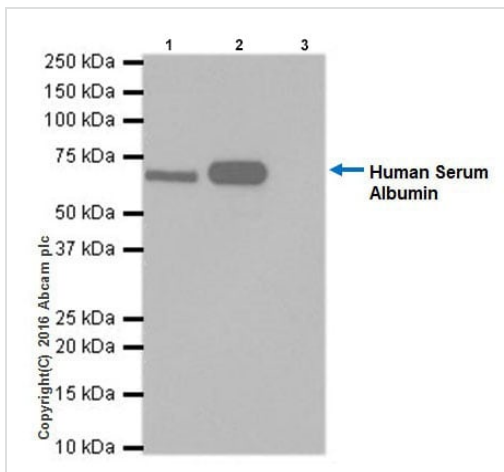
different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab207327](#)).



Flow Cytometry (Intracellular) - Anti-Albumin antibody [EPR20195] - BSA and Azide free (ab271979)

Intracellular flow cytometric analysis of 4% paraformaldehyde-fixed permeabilized HepG2 (Human liver hepatocellular carcinoma cell line) cells labeling Albumin with [ab207327](#) at 1/500 dilution (red) compared with a rabbit monoclonal IgG isotype control ([ab172730](#); black) and an unlabelled control (cells without incubation with primary antibody and secondary antibody; blue). Goat anti rabbit IgG (Alexa Fluor® 488) at 1/2000 dilution was used as the secondary antibody.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide ([ab207327](#)).



Immunoprecipitation - Anti-Albumin antibody [EPR20195] - BSA and Azide free (ab271979)

Albumin was immunoprecipitated from 0.35 mg of HepG2 (Human liver hepatocellular carcinoma cell line) whole cell lysate with [ab207327](#) at 1/40 dilution.

Western blot was performed from the immunoprecipitate using [ab207327](#) at 1/1000 dilution.

VeriBlot for IP Detection Reagent (HRP) ([ab131366](#)), was used for detection at 1/10000 dilution.

Lane 1: HepG2 whole cell lysate, 10µg (Input).

Lane 2: [ab207327](#) IP in HepG2 whole cell lysate.

Lane 3: Rabbit monoclonal IgG ([ab172730](#)) instead of [ab207327](#) in HepG2 whole cell 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 ([ab207327](#)).

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-Albumin antibody [EPR20195] - BSA and Azide free (ab271979)

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

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.co.jp/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors