

Anti-liver FABP antibody [2G4] ab82157

2 References [画像数 6](#)

製品の概要

製品名	Anti-liver FABP antibody [2G4]
製品の詳細	Mouse monoclonal [2G4] to liver FABP
由来種	Mouse
アプリケーション	適用あり: Flow Cyt, WB, ICC/IF
種交差性	交差種: Human, Recombinant fragment
免疫原	Recombinant full length Human liver FABP (aa1-127) purified from E. coli (NP_001434)
ポジティブ・コントロール	WB: HepG2 whole cell lysate (ab7900), FABP1 Recombinant protein, Liver tissues lysate. ICC/IF: Hep3B cells. Flow Cyt: Hep3B cells.
特記事項	<p>Isotype: Mouse IgG1 heavy chain and kappa light chain</p> <p>This product was changed from ascites to tissue culture supernatant on 24/01/2019. Please note that the dilutions may need to be adjusted accordingly. If you have any questions, please do not hesitate to contact our scientific support team.</p> <p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. 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.</p> <p>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</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.
バッファー	<p>pH: 7.40</p> <p>Preservative: 0.02% Sodium azide</p> <p>Constituents: PBS, 10% Glycerol</p>
精製度	Protein A purified
ポリ/モノ	モノクローナル

クローン名	2G4
アイソタイプ	IgG1
軽鎖の種類	kappa

アプリケーション

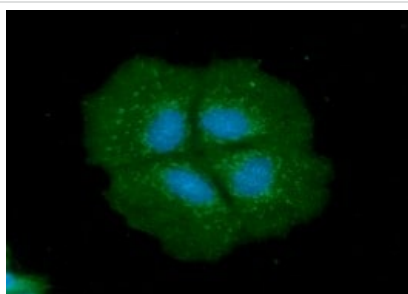
The Abpromise guarantee Abpromise保証は、次のテスト済みアプリケーションにおけるab82157の使用に適用されます
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご確認ください。

アプリケーション	Abreviews	特記事項
Flow Cyt		Use at an assay dependent concentration. ab170190 - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.
WB		Use at an assay dependent concentration. Detects a band of approximately 14 kDa (predicted molecular weight: 14 kDa).
ICC/IF		Use at an assay dependent concentration.

ターゲット情報

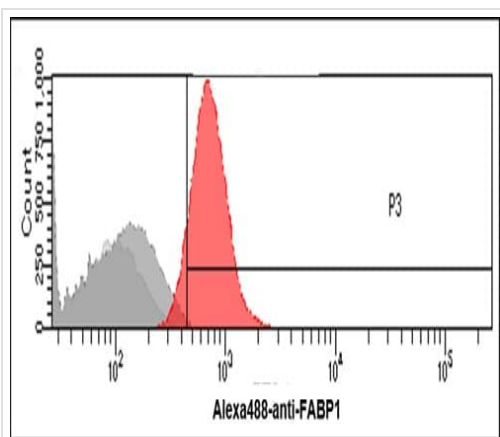
機能	Binds free fatty acids and their coenzyme A derivatives, bilirubin, and some other small molecules in the cytoplasm. May be involved in intracellular lipid transport.
配列類似性	Belongs to the calycin superfamily. Fatty-acid binding protein (FABP) family.
ドメイン	Forms a beta-barrel structure that accommodates hydrophobic ligands in its interior.
細胞内局在	Cytoplasm.

画像



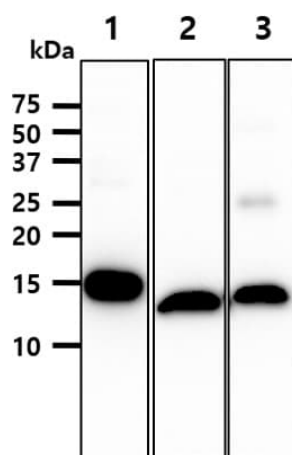
Immunocytochemistry/ Immunofluorescence analysis of FABP1 in Hep3B cells. The cell was stained with ab82157 (1:100). The secondary antibody (green) was used Alexa Fluor 488. DAPI was stained the cell nucleus (blue).

Immunocytochemistry/ Immunofluorescence - Anti-liver FABP antibody [2G4] (ab82157)



Flow Cytometry - Anti-liver FABP antibody [2G4]
(ab82157)

Flow cytometry analysis of FABP1 in Hep3B cells. The cell was stained with ab82157 at 2-5 μ g for 1x10⁶ cells (red). A Goat anti mouse IgG (Alexa fluor 488) was used as the secondary antibody. Mouse monoclonal IgG was used as the isotype control (blue), cells without incubation with primary and secondary antibody was used as the negative control (black).



Western blot - Anti-liver FABP antibody [2G4]
(ab82157)

All lanes : Anti-liver FABP antibody [2G4] (ab82157) at 1/1000 dilution

Lane 1 : FABP1 Recombinant protein

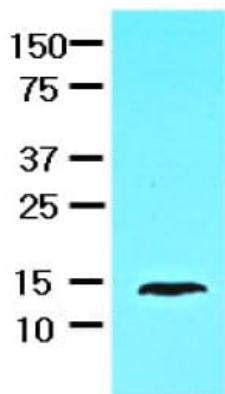
Lane 2 : HepG2 cell lysate at 40 μ g

Lane 3 : Liver tissues lysate at 40 μ g

Secondary

All lanes : goat anti-mouse secondary antibody conjugated to HRP

Predicted band size: 14 kDa



Western blot - Anti-liver FABP antibody [2G4]
(ab82157)

Anti-liver FABP antibody [2G4] (ab82157) at 1/1000 dilution +
HepG2 cell lysate at 30 µg

Secondary

goat anti-mouse HRP

Developed using the ECL technique.

Predicted band size: 14 kDa

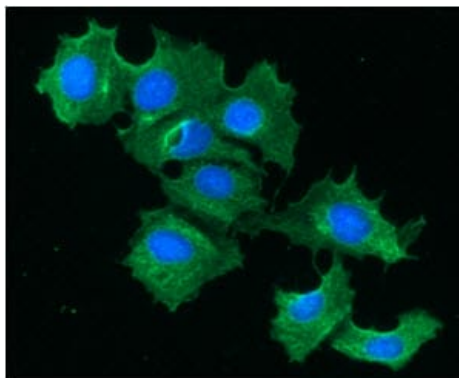
Observed band size: 14 kDa

This image was produced using the ascites version of this antibody.

Flow Cytometry - Anti-liver FABP antibody [2G4]
(ab82157)

Overlay histogram showing HepG2 cells stained with ab82157 (red line). The cells were fixed with 80% methanol (5 min) and then permeabilized with 0.1% PBS-Tween for 20 min. The cells were then incubated in 1x PBS / 10% normal goat serum / 0.3M glycine to block non-specific protein-protein interactions followed by the antibody (ab82157, 1µg/1x10⁶ cells) for 30 min at 22°C. The secondary antibody used was DyLight® 488 goat anti-mouse IgG (H+L) ([ab96879](#)) at 1/500 dilution for 30 min at 22°C. Isotype control antibody (black line) was mouse IgG1 [ICIGG1] ([ab91353](#), 2µg/1x10⁶ cells) used under the same conditions. Acquisition of >5,000 events was performed.

This image was produced using the ascites version of this antibody.



Immunocytochemistry/ Immunofluorescence - Anti-liver FABP antibody [2G4] (ab82157)

Ab82157 staining liver FABP in Hep3B cells by ICC/IF (Immunocytochemistry/Immunofluorescence). Samples were incubated with primary antibody at 1:100 dilution. An Alexa Fluor® 488 goat anti-mouse IgG was used as the secondary antibody. DAPI was used as a nuclear counterstain.

This image was produced using the ascites version of this antibody.

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