

# Anti-liver FABP antibody [2G4] ab82157

[2 References](#) [6 图像](#)

### 概述

---

产品名称	Anti-liver FABP抗体[2G4]
描述	小鼠单克隆抗体[2G4] to liver FABP
宿主	Mouse
经测试应用	适用于: Flow Cyt, WB, ICC/IF
种属反应性	与反应: Human, Recombinant fragment
免疫原	Recombinant full length Human liver FABP (aa1-127) purified from E. coli (NP_001434)
阳性对照	WB: HepG2 whole cell lysate ( <a href="#">ab7900</a> ), FABP1 Recombinant protein, Liver tissues lysate. ICC/IF: Hep3B cells. Flow Cyt: Hep3B cells.
常规说明	<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&amp;As</p>

### 性能

---

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term.
存储溶液	pH: 7.40 Preservative: 0.02% Sodium azide Constituents: PBS, 10% Glycerol
纯度	Protein A purified
克隆	单克隆

克隆编号	2G4
同种型	IgG1
轻链类型	kappa

## 应用

**The Abpromise guarantee** **Abpromise™**承诺保证使用ab82157于以下的经测试应用

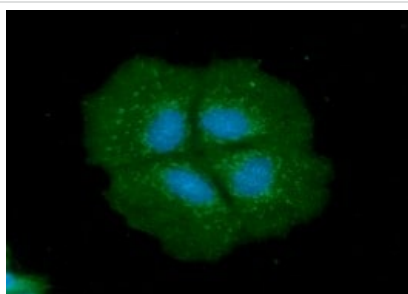
“应用说明”部分下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
Flow Cyt		Use at an assay dependent concentration. <b>ab170190</b> - 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.

## 靶标

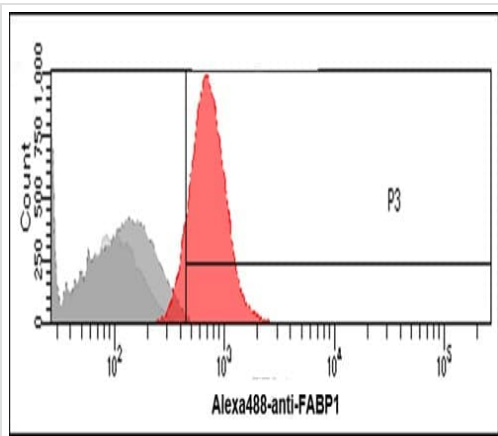
功能	Binds free fatty acids and their coenzyme A derivatives, bilirubin, and some other small molecules in the cytoplasm. May be involved in intracellular lipid transport.
序列相似性	Belongs to the calycin superfamily. Fatty-acid binding protein (FABP) family.
结构域	Forms a beta-barrel structure that accommodates hydrophobic ligands in its interior.
细胞定位	Cytoplasm.

## 图片



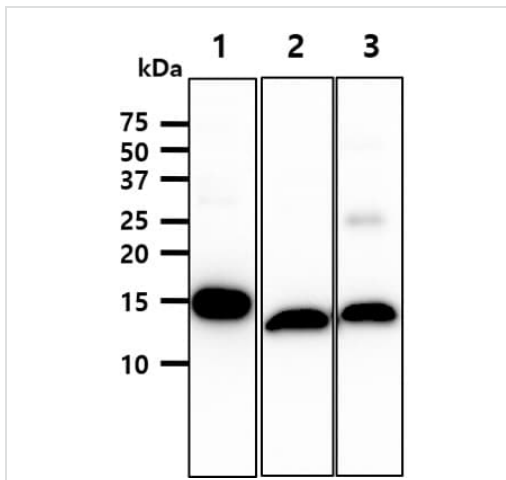
Immunocytochemistry/ Immunofluorescence analysis of FABP1 in Hep3B cells. The cell was stained with ab82157 (1:100). The secondary antibody (green) was used Alexa Fluor 488. DAPI was stained the cell nucleus (blue).

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 $\mu$ g for  $1 \times 10^6$  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

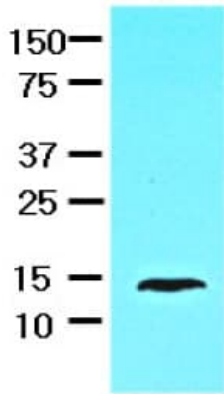
**Lane 2** : HepG2 cell lysate at 40  $\mu$ g

**Lane 3** : Liver tissues lysate at 40  $\mu$ 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

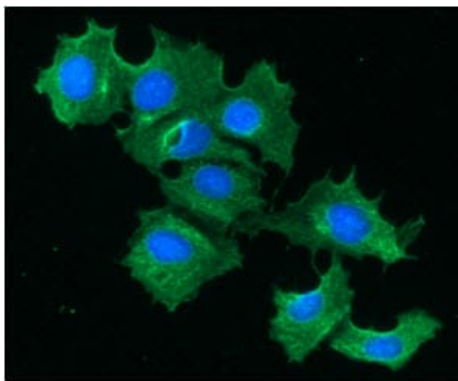
**Observed band size:** 14 kDa

**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/1x10<sup>6</sup> 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/1x10<sup>6</sup> 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.**

**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.cn/abpromise> or contact our technical team.

### **Terms and conditions**

---

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