

## Product datasheet

# Anti-FABP4 antibody [EPR3579] ab92501

リコンビナント **RabMAb**

★★★★☆ 2 Abreviews 11 References 画像数 3

### 製品の概要

製品名	Anti-FABP4 antibody [EPR3579]
製品の詳細	Rabbit monoclonal [EPR3579] to FABP4
特異性	Ab92501 may cross-react with FABP, FABP3 and FABP9 based on the blast alignments.
アプリケーション	<b>適用あり:</b> WB, ICC/IF, IHC-P
種交差性	<b>交差種:</b> Mouse, Rat, Human
免疫原	A synthetic peptide corresponding to residues in Human FABP4.
ポジティブ・コントロール	Human adipose tissue and fetal heart lysates.
特記事項	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> This product is a recombinant rabbit monoclonal antibody.

### 製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.
バッファー	PBS 49%, Sodium azide 0.01%, Glycerol 50%, BSA 0.05%
精製度	Tissue culture supernatant
ポリ/モノ	モノクローナル
クローン名	EPR3579
アイソタイプ	IgG

### アプリケーション

Our [Abpromise guarantee](#) covers the use of **ab92501** in the following tested applications.

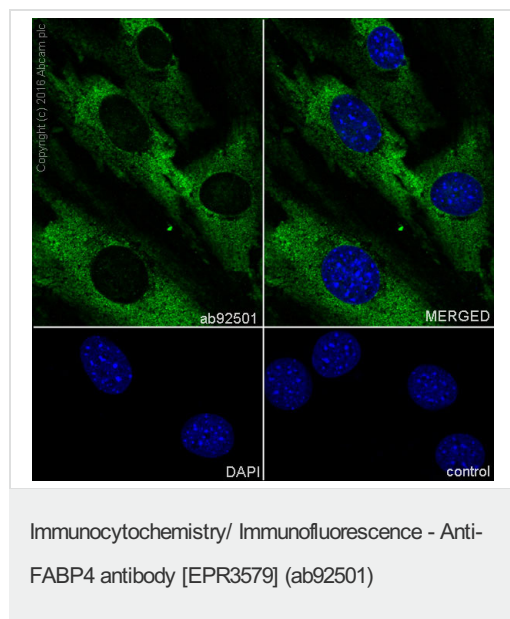
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

アプリケーション	Abreviews	特記事項
WB	★★★★☆	1/1000 - 1/5000. Detects a band of approximately 15 kDa (predicted molecular weight: 15 kDa).
ICC/IF		1/1000.
IHC-P		Use at an assay dependent concentration. PubMed: 21489227

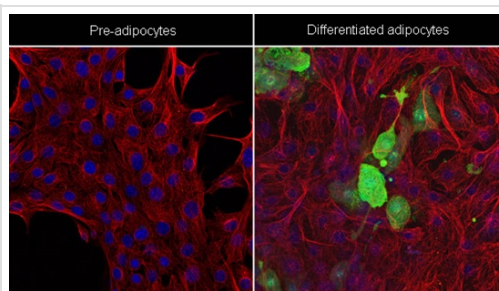
## ターゲット情報

機能	Lipid transport protein in adipocytes. Binds both long chain fatty acids and retinoic acid. Delivers long-chain fatty acids and retinoic acid to their cognate receptors in the nucleus.
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. Nucleus. Depending on the nature of the ligand, a conformation change exposes a nuclear localization motif and the protein is transported into the nucleus. Subject to constitutive nuclear export.

## 画像

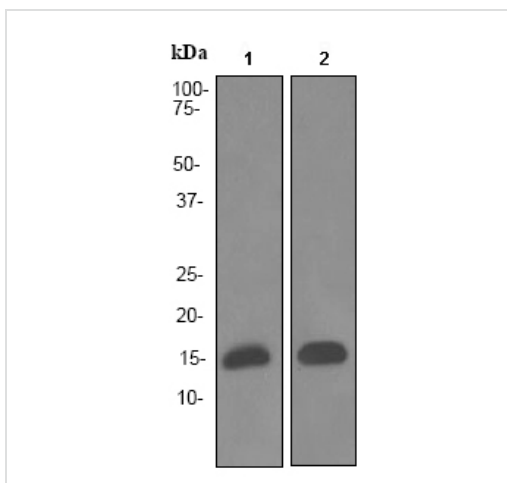


Immunocytochemistry/Immunofluorescence analysis of 3T3-L1 (Mouse embryonic fibroblast cell line) labeling FABP4 with Purified ab92501 at 1/500 dilution (5 µg/ml). Cells were fixed with 4% PFA and permeabilized with 0.1% tritonX-100. [ab150077](#) Goat anti rabbit IgG(Alexa Fluor® 488) at 1/1000 dilution was used as the secondary antibody. Nuclei were counterstained with DAPI. PBS was used instead of the primary antibody as the negative control.



Immunocytochemistry/ Immunofluorescence - Anti-FABP4 antibody [EPR3579] (ab92501)

FABP4 (green) was detected using FABP4 primary antibody (ab92501; diluted 1/1000). Alpha tubulin (red) was detected using our mouse monoclonal (ab7291) antibody. Cells were imaged by confocal microscopy, using z-stack for adipocyte-like cells.



Western blot - FABP4 antibody [EPR3579] (ab92501)

**All lanes :** Anti-FABP4 antibody [EPR3579] (ab92501) at 1/1000 dilution

**Lane 1 :** Human adipose tissue lysate

**Lane 2 :** Human fetal heart lysate

Lysates/proteins at 10 µg per lane.

**Secondary**

goat anti-rabbit HRP at 1/2000 dilution

**Predicted band size :** 15 kDa

**Observed band size :** 15 kDa

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

**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 <http://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