

### Anti-FBP1 + FBP2 antibody [EPR4619] ab109020

リコンビナント **RabMAb**

**12 References**    **画像数 9**

#### 製品の概要

製品名	Anti-FBP1 + FBP2 antibody [EPR4619]
製品の詳細	Rabbit monoclonal [EPR4619] to FBP1 + FBP2
由来種	Rabbit
アプリケーション	<b>適用あり:</b> WB, IHC-P <b>適用なし:</b> ICC/IF
種交差性	<b>交差種:</b> Mouse, Rat, Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
ポジティブ・コントロール	HL60 lysate treated with vitamin D3, MCF7 and Human fetal liver lysates; Human kidney and liver tissues.
特記事項	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> <li>- High batch-to-batch consistency and reproducibility</li> <li>- Improved sensitivity and specificity</li> <li>- Long-term security of supply</li> <li>- Animal-free production</li> </ul> <p>For more information <a href="#">see here</a>.</p> <p>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>.</p>

#### 製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
バッファー	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 40% Glycerol (glycerin, glycerine), 0.05% BSA, 59% PBS
精製度	Protein A purified
ポリ/モノ	モノクローナル
クローン名	EPR4619
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ab109020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		1/1000 - 1/10000. Predicted molecular weight: 37 kDa.
IHC-P		1/50 - 1/100. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol. Heat up to 98 &degC, below boiling, and then let cool for 10-20 min.

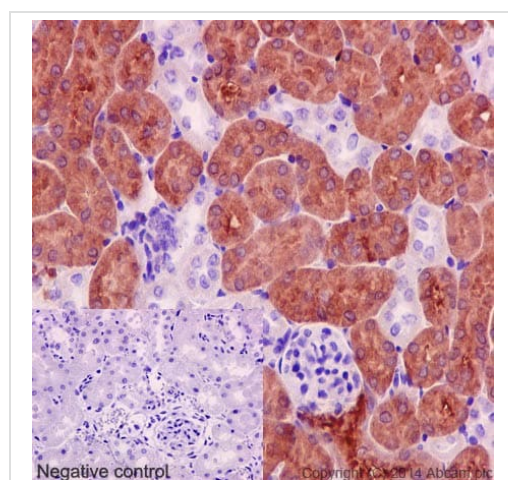
**追加情報** Is unsuitable for ICC/IF.

## ターゲット情報

### 細胞内局在

FBP2: Cell junction. Cytoplasm. Nucleus. Cytoplasm, myofibril, sarcomere, Z line. In neonatal cardiomyocytes, distributed throughout the cytosol, accumulating in the intercalated disks which occur at the Z line of cardiomyocytes and connect adjacent cells, and also located in the nucleus; dissociates from the Z line following an increase in cytosolic Ca(2+) concentration (By similarity). In muscle precursor cells, localizes predominantly to the nucleus and to a lesser extent to the cytoplasm at the proliferative phase, while mainly localizing to the cytoplasm at the differentiation phase (By similarity). Colocalizes with ALDOA and alpha-actinin on both sides of the Z line of skeletal muscle; dissociates rapidly from the Z line following an increase in cytosolic Ca(2+) concentration.

## 画像

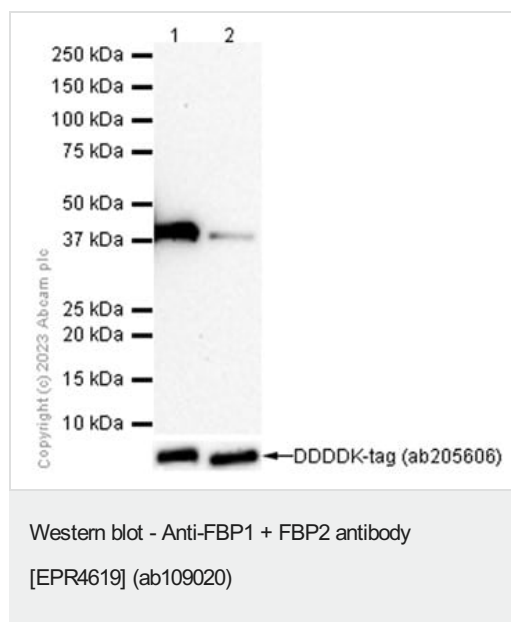


ab109020 at 1:500 staining Anti-FBP1 + FBP2 antibody in mouse kidney tissue by immunohistochemistry (FFPE).

Immunohistochemical analysis of paraffin-embedded mouse kidney tissue labeling FBP1 with ab109020 at 1/500 dilution followed by Goat Anti-Rabbit IgG H&L (HRP). Counter stained with hematoxylin.

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-FBP1 + FBP2 antibody [EPR4619] (ab109020)



**All lanes** : Anti-FBP1 + FBP2 antibody [EPR4619] (ab109020) at 1/10000 dilution

**Lane 1** : C-Myc/DDK-tagged human FBP1 full length recombinant protein

**Lane 2** : C-Myc/DDK-tagged human FBP2 full length recombinant protein

Lysates/proteins at 0.01 µg per lane.

### Secondary

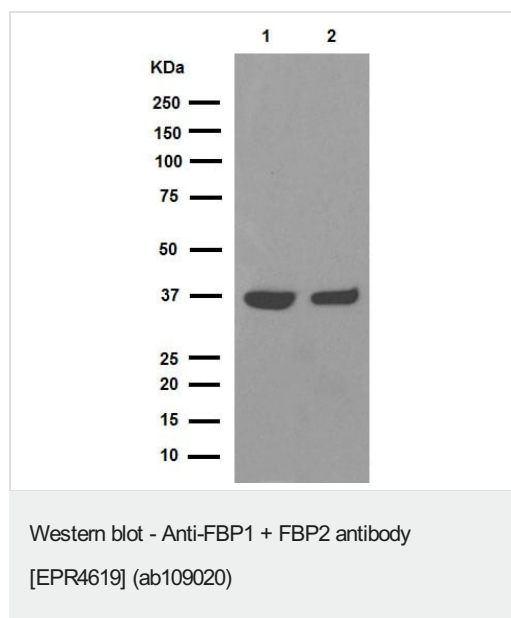
**All lanes** : Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/20000 dilution

**Predicted band size:** 37 kDa

**Observed band size:** 37 kDa

**Exposure time:** 180 seconds

Blocking/Diluting buffer and concentration: 5% NFDM/TBST



**All lanes** : Anti-FBP1 + FBP2 antibody [EPR4619] (ab109020) at 1/10000 dilution (purified)

**Lane 1** : Mouse liver

**Lane 2** : Rat liver

Lysates/proteins at 20 µg per lane.

### Secondary

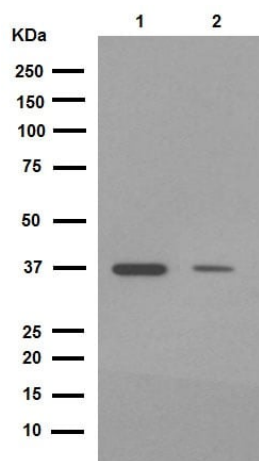
**All lanes** : HRP goat anti-rabbit (H+L) at 1/1000 dilution

**Predicted band size:** 37 kDa

**Observed band size:** 37 kDa

Blocking buffer: 5% NFDM/TBST

Dilution buffer: 5% NFDM/TBST



Western blot - Anti-FBP1 + FBP2 antibody  
[EPR4619] (ab109020)

**All lanes :** Anti-FBP1 + FBP2 antibody [EPR4619] (ab109020) at 1/2000 dilution (purified)

**Lane 1 :** MCF7 cell lysate

**Lane 2 :** HL-60 cell lysate treated with vitamin D3

Lysates/proteins at 20 µg per lane.

### Secondary

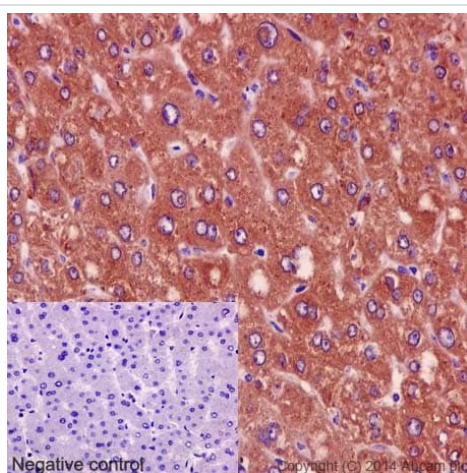
**All lanes :** HRP goat anti-rabbit (H+L) at 1/2000 dilution

**Predicted band size:** 37 kDa

**Observed band size:** 37 kDa

Blocking buffer: 5% NFDM/TBST

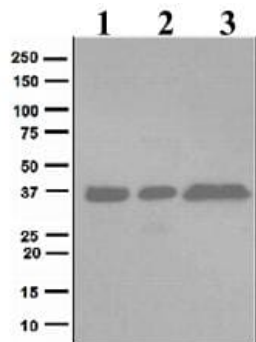
Dilution buffer: 5% NFDM/TBST



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-FBP1 + FBP2 antibody  
[EPR4619] (ab109020)

ab109020 at 1:500 staining Anti-FBP1 + FBP2 antibody in human liver tissue by immunohistochemistry (FFPE). Immunohistochemical analysis of paraffin-embedded human liver tissue labeling FBP1 with ab109020 at 1/500 dilution followed by Goat Anti-Rabbit IgG H&L (HRP). Counter stained with hematoxylin.

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Western blot - Anti-FBP1 + FBP2 antibody  
[EPR4619] (ab109020)

**All lanes :** Anti-FBP1 + FBP2 antibody [EPR4619] (ab109020) at 1/1000 dilution (unpurified)

**Lane 1 :** MCF7 cell lysate

**Lane 2 :** Human fetal liver tissue lysate

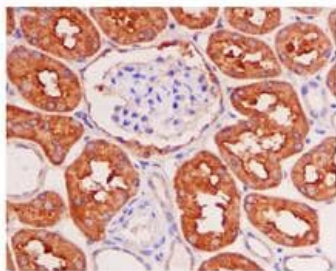
**Lane 3 :** HL60 cell lysate, treated with vitamin D3

Lysates/proteins at 10 µg per lane.

**Predicted band size:** 37 kDa

Blocking buffer: 5% NFDM/TBST

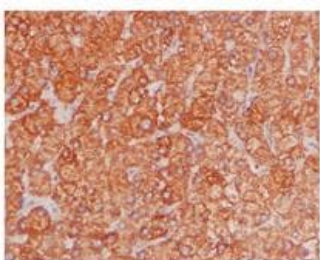
Dilution buffer: 5% NFDM/TBST



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-FBP1 + FBP2 antibody  
[EPR4619] (ab109020)

Unpurified ab109020 at 1/50 dilution staining FBP1 + FBP2 in Human Kidney by immunohistochemistry, paraffin-embedded tissue.

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-FBP1 + FBP2 antibody  
[EPR4619] (ab109020)

Unpurified ab109020 at 1/50 dilution staining FBP1 + FBP2 in Human liver by immunohistochemistry, paraffin-embedded tissue.

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

### 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-FBP1 + FBP2 antibody [EPR4619] (ab109020)

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