

Anti-FABP-1 antibody [EPR12354(B)] ab171739

重组 RabMAb

10 References **11 图像**

概述

产品名称	Anti-FABP-1抗体[EPR12354(B)]
描述	兔单克隆抗体[EPR12354(B)] to FABP-1
宿主	Rabbit
经测试应用	适用于: WB, IHC-P, IP 不适用于: Flow Cyt
种属反应性	与反应: Mouse, Rat, Human
免疫原	Synthetic peptide within Human FABP-1 aa 1-100 (Cysteine residue). The exact sequence is proprietary. Database link: P00505
阳性对照	WB: HeLa, Human liver, HEPG2, HEK-293T, Mouse brain, Rat brain, Mouse liver, and Rat liver lysates; IHC-P: human liver and urinary bladder carcinoma, mouse kidney, and rat stomach tissues; IP: Human fetal liver lysate.
常规说明	This product is a recombinant monoclonal antibody, which offers several advantages including: <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 .

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. Avoid freeze / thaw cycle.
存储溶液	Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
纯度	Protein A purified
克隆	单克隆

克隆编号 EPR12354(B)

同种型 IgG

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab171739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
WB		1/1000 - 1/10000. Predicted molecular weight: 48 kDa.
IHC-P		1/4000. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol. See IHC antigen retrieval protocols . For unpurified use at 1/50 - 1/100.
IP		1/10 - 1/100.

应用说明 Is unsuitable for Flow Cyt.

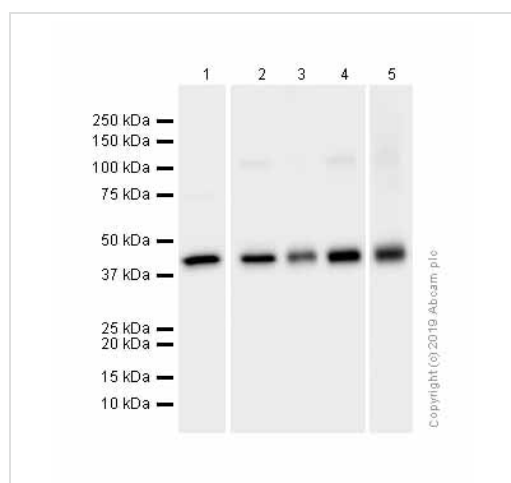
靶标

功能 Plays a key role in amino acid metabolism. Important for metabolite exchange between mitochondria and cytosol. Facilitates cellular uptake of long-chain free fatty acids.

序列相似性 Belongs to the class-I pyridoxal-phosphate-dependent aminotransferase family.

细胞定位 Mitochondrion matrix. Cell membrane. Exposure to alcohol promotes translocation to the cell membrane.

图片



Western blot - Anti-FABP-1 antibody [EPR12354(B)] (ab171739)

All lanes : Anti-FABP-1 antibody [EPR12354(B)] (ab171739) at 1/1000 dilution (Purified)

Lane 1 : HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates

Lane 2 : Mouse brain lysates

Lane 3 : Rat brain lysates

Lane 4 : Mouse liver lysates

Lane 5 : Rat liver lysates

Lysates/proteins at 20 µg per lane.

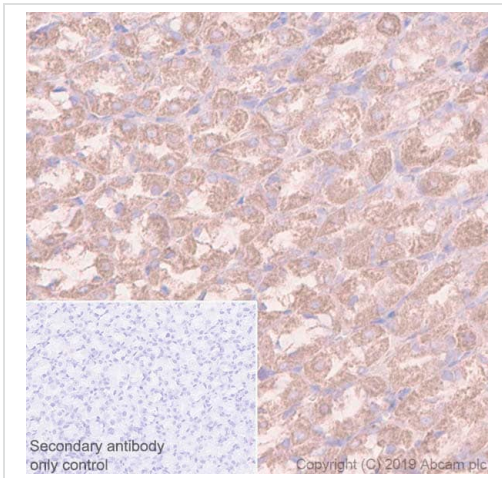
Secondary

All lanes : Goat Anti-Rabbit IgG (HRP) with minimal cross-reactivity

with human IgG at 1/2000 dilution

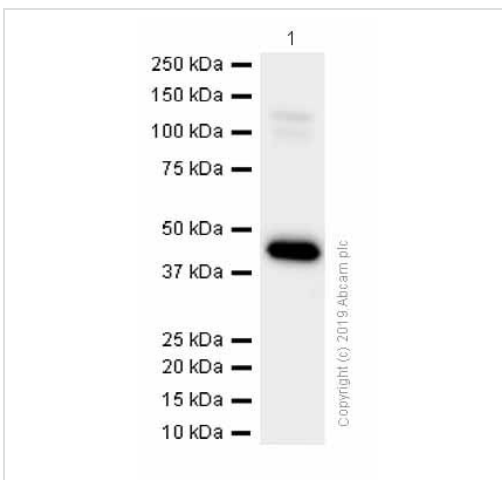
Predicted band size: 48 kDa

Observed band size: 43 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of rat stomach tissue sections labeling FABP-1 with purified ab171739 at 1/4000 dilution (0.25 µg/ml). Heat mediated antigen retrieval was performed using **ab93684** (Tris/EDTA buffer, pH 9.0). ImmunoHistoProbe one step HRP Polymer (ready to use) was used as the secondary antibody. Negative control: PBS instead of the primary antibody. Hematoxylin was used as a counterstain.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-FABP-1 antibody [EPR12354(B)] (ab171739)



Anti-FABP-1 antibody [EPR12354(B)] (ab171739) at 1/1000 dilution + Recombinant human FABP-1 protein (**ab206788**) at 0.015 µg

Secondary

Goat Anti-Rabbit IgG H&L (HRP) (**ab97051**) at 1/20000 dilution

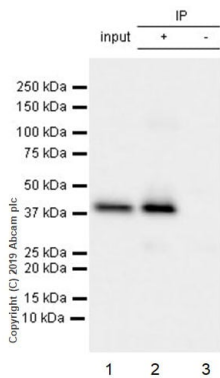
Predicted band size: 48 kDa

Observed band size: 47 kDa

Western blot - Anti-FABP-1 antibody [EPR12354(B)] (ab171739)

Exposure time: 10 seconds

Blocking and dilution buffer: 5% NFD/MTBST.



Immunoprecipitation - Anti-FABP-1 antibody
[EPR12354(B)] (ab171739)

ab171739 (purified) at 1/50 dilution (2 µg) immunoprecipitating FABP-1 in Human fetal liver lysate.

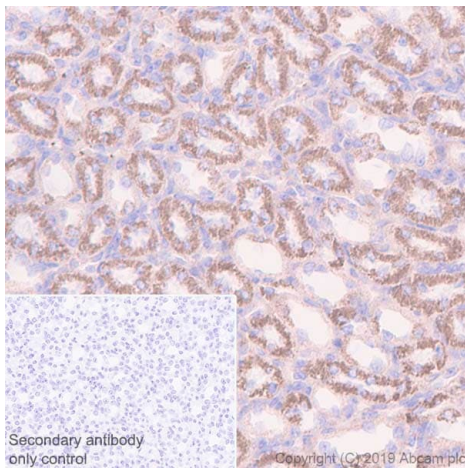
Lane 1 (input): Human fetal liver lysate 10 µg

Lane 2 (+): ab171739 & Human fetal liver lysate

Lane 3 (-): Rabbit monoclonal IgG (**ab172730**) instead of ab171739 in Human fetal liver lysate

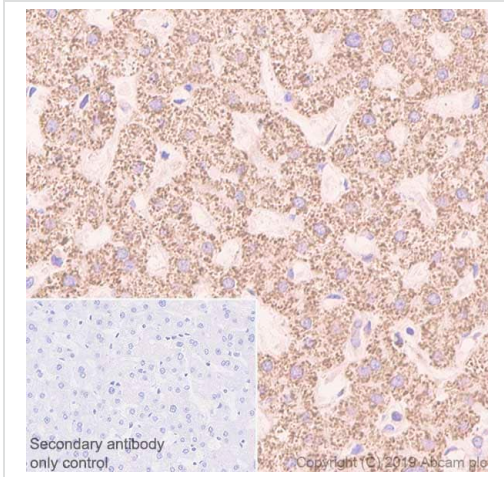
For western blotting, VeriBlot for IP Detection Reagent (HRP) (**ab131366**) was used at 1/1000 dilution.

Blocking and diluting buffer: 5% NFDm/TBST.



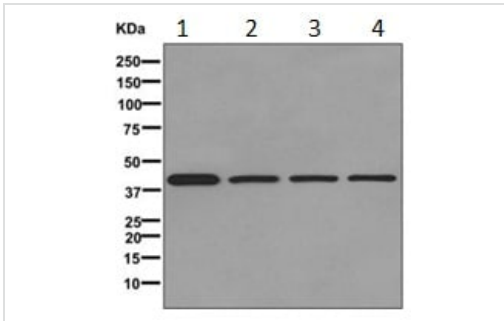
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-FABP-1 antibody
[EPR12354(B)] (ab171739)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of mouse kidney tissue sections labeling FABP-1 with purified ab171739 at 1/4000 dilution (0.25 µg/ml). Heat mediated antigen retrieval was performed using **ab93684** (Tris/EDTA buffer, pH 9.0). ImmunoHistoProbe one step HRP Polymer (ready to use) was used as the secondary antibody. Negative control: PBS instead of the primary antibody. Hematoxylin was used as a counterstain.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-FABP-1 antibody [EPR12354(B)] (ab171739)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human liver tissue sections labeling FABP-1 with purified ab171739 at 1/4000 dilution (0.25 µg/ml). Heat mediated antigen retrieval was performed using **ab93684** (Tris/EDTA buffer, pH 9.0). ImmunoHistoProbe one step HRP Polymer (ready to use) was used as the secondary antibody. Negative control: PBS instead of the primary antibody. Hematoxylin was used as a counterstain.



Western blot - Anti-FABP-1 antibody [EPR12354(B)] (ab171739)

All lanes : Anti-FABP-1 antibody [EPR12354(B)] (ab171739) at 1/1000 dilution (unpurified)

Lane 1 : Human fetal liver lysate

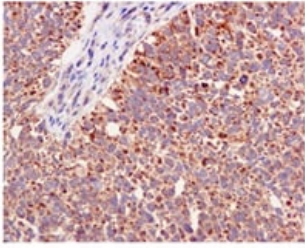
Lane 2 : 293T cell lysate

Lane 3 : HepG2 cell lysate

Lane 4 : HeLa cell lysate

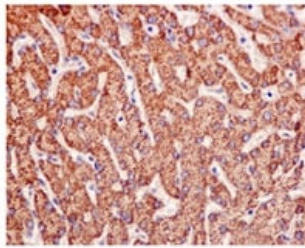
Lysates/proteins at 10 µg per lane.

Predicted band size: 48 kDa



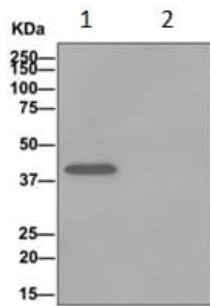
Immunohistochemistry of paraffin-embedded Human urinary bladder carcinoma tissue labeling FABP-1 using ab171739 (unpurified) at 1/50 dilution.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-FABP-1 antibody [EPR12354(B)] (ab171739)



Immunohistochemistry of paraffin-embedded Human liver tissue labeling FABP-1 using ab171739 (unpurified) at 1/50 dilution.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-FABP-1 antibody [EPR12354(B)] (ab171739)



Western blot analysis on immunoprecipitation pellet from Human fetal liver lysate (lane 1) labeling FABP-1 using ab171739 (unpurified) at 1/10 dilution, and HRP-conjugated anti-rabbit IgG preferentially detecting the non-reduced form of rabbit IgG. Lane 2: 1X PBS (negative control).

Immunoprecipitation - Anti-FABP-1 antibody [EPR12354(B)] (ab171739)

Why choose a recombinant antibody?



Research with confidence
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Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

Anti-FABP-1 antibody [EPR12354(B)] (ab171739)

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