

# Anti-Aspartate Aminotransferase + FABP-1 antibody [EPR12145] ab170950

**重组** RabMAb

[1 Abreviews](#) [7 References](#) [10 图像](#)

### 概述

|       |   |
|-------|---|
| 产品名称  | Anti-Aspartate Aminotransferase + FABP-1抗体[EPR12145]  |
| 描述    | 兔单克隆抗体[EPR12145] to Aspartate Aminotransferase + FABP-1   |
| 宿主    | Rabbit  |
| 特异性   | The mouse and rat recommendation is based on the WB results. We do not guarantee IHC-P for mouse and rat.   |
| 经测试应用 | <b>适用于:</b> Flow Cyt (Intra), WB, ICC/IF, IHC-P   |
| 种属反应性 | <b>与反应:</b> Mouse, Rat, Human   |
| 免疫原   | Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.   |
| 阳性对照  | HepG2; MCF-7, HT-29 and K562 cell lysates; Human hepatocellular carcinoma tissue; HepG2 and K562 cells. Mouse brain, rat brain and rat heart lysates. Human glioma tissue, K562.  |
| 常规说明  | <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> |

### 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 | <p>Preservative: 0.01% Sodium azide</p> <p>Constituents: 59% PBS, 40% Glycerol, 0.05% BSA</p>                                     |
| 纯度   | Protein A purified  |
| 克隆   | 单克隆   |

克隆编号EPR12145

同种型IgG

应用

The Abpromise guarantee

Abpromise™承诺保证使用ab170950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。

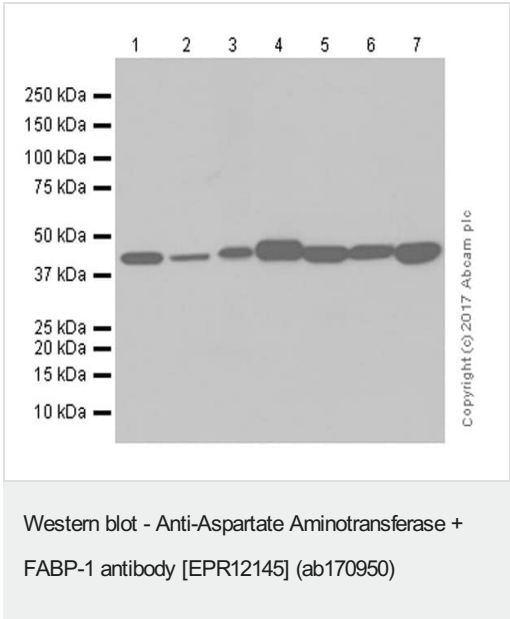
| 应用               | Ab评论 | 说明  |
|------------------|------|---|
| Flow Cyt (Intra) |      | 1/20.<br><b>ab172730</b> - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.   |
| WB               |      | 1/3000. Predicted molecular weight: 46 kDa.   |
| ICC/IF           |      | 1/500.  |
| IHC-P            |      | 1/170. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.<br><b>See IHC antigen retrieval protocol.</b><br><br>The mouse and rat recommendation is based on the WB results.<br>We do not guarantee IHC-P for mouse and rat. |

靶标

细胞定位

Aspartate Aminotransferase: Cytoplasm. FABP-1: Mitochondrion matrix. Cell membrane.  
Exposure to alcohol promotes translocation to the cell membrane.

图片



All lanes : purified at 1/3000 dilution

**Lane 1** : HepG2 (Human hepatocellular carcinoma epithelial cell) whole cell lysates

**Lane 2** : MCF7 (Human breast adenocarcinoma epithelial cell) whole cell lysates

**Lane 3** : K-562 (Human chronic myelogenous leukemia lymphoblast) whole cell lysates

**Lane 4** : Mouse brain lysates

**Lane 5** : Mouse heart lysates

**Lane 6** : Rat brain lysates

**Lane 7** : Rat heart lysates

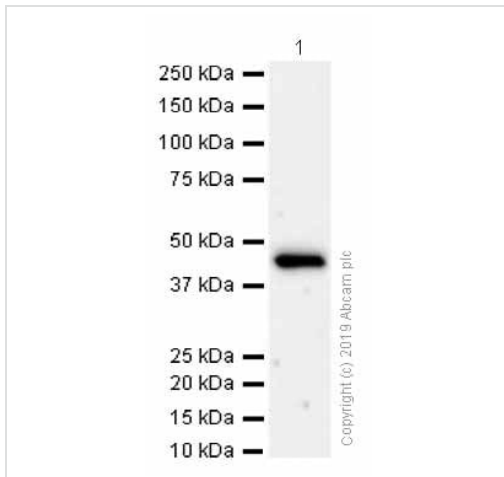
Lysates/proteins at 20 µg per lane.

## Secondary

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

**Predicted band size:** 46 kDa

Blocking and diluting buffer: 5% NFDM/TBST.



Western blot - Anti-Aspartate Aminotransferase + FABP-1 antibody [EPR12145] (ab170950)

Anti-Aspartate Aminotransferase + FABP-1 antibody [EPR12145] (ab170950) at 1/1000 dilution + Recombinant human FABP-1 protein (**ab206788**) at 0.015 µg

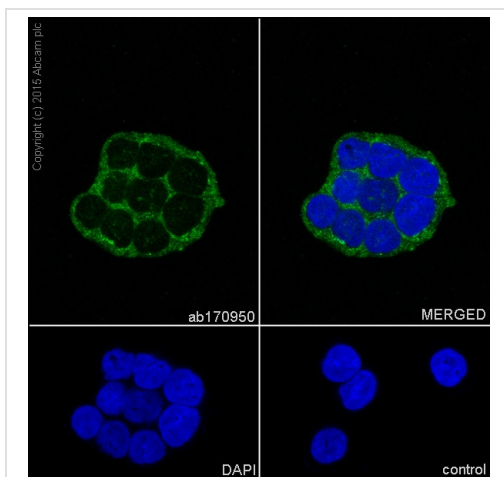
## Secondary

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

**Predicted band size:** 46 kDa

**Observed band size:** 47 kDa

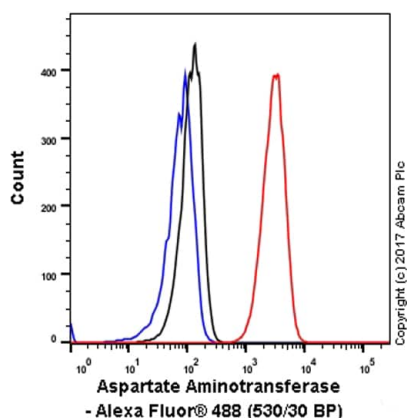
**Exposure time:** 180 seconds



Immunocytochemistry/ Immunofluorescence - Anti-Aspartate Aminotransferase + FABP-1 antibody [EPR12145] (ab170950)

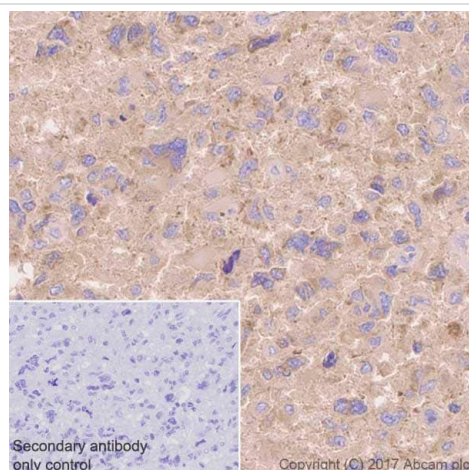
Immunocytochemistry/Immunofluorescence analysis of HT-29 (human colorectal adenocarcinoma) cells labelling Aspartate Aminotransferase + FABP-1 with purified ab170950 at 1/120. Cells were fixed with 100% methanol. An Alexa Fluor® 488-conjugated goat anti-rabbit IgG (**ab150077**) at 1/1000 dilution was used as the secondary antibody. Nuclei counterstained with DAPI (blue).

Secondary Only Control: PBS was used instead of the primary antibody as the negative control.



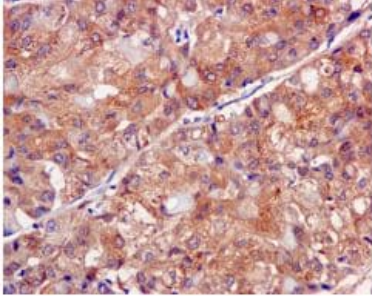
Flow Cytometry (Intracellular) - Anti-Aspartate Aminotransferase + FABP-1 antibody [EPR12145] (ab170950)

Intracellular Flow Cytometry analysis of K-562 (Human chronic myelogenous leukemia lymphoblast) cells labeling Aspartate Aminotransferase + FABP-1 with purified ab170950 at 1/20 dilution (red). Cells were fixed with 4% Paraformaldehyde. A Goat anti rabbit IgG (Alexa Fluor® 488) secondary antibody was used at 1/2000 dilution. Isotype control - Rabbit monoclonal IgG (Black). Unlabeled control - Cell without incubation with primary antibody and secondary antibody (Blue).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Aspartate Aminotransferase + FABP-1 antibody [EPR12145] (ab170950)

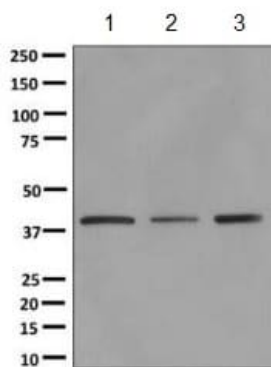
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human glioma tissue sections labeling Aspartate Aminotransferase + FABP-1 with Purified ab170950 at 1:170 dilution. Heat mediated antigen retrieval was performed using **ab93684** (Tris/EDTA buffer, pH 9.0). Tissue was counterstained with Hematoxylin. ImmunoHistoProbe one step HRP Polymer (ready to use) secondary antibody was used at 1:0 dilution. PBS instead of the primary antibody was used as the negative control.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Aspartate Aminotransferase + FABP-1 antibody [EPR12145] (ab170950)

Immunohistochemical analysis of paraffin-embedded Human hepatocellular carcinoma tissue labeling Aspartate Aminotransferase + FABP-1 using unpurified ab170950 at 1/50 dilution.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Western blot - Anti-Aspartate Aminotransferase + FABP-1 antibody [EPR12145] (ab170950)

**All lanes :** Anti-Aspartate Aminotransferase + FABP-1 antibody [EPR12145] (ab170950) at 1/1000 dilution (unpurified)

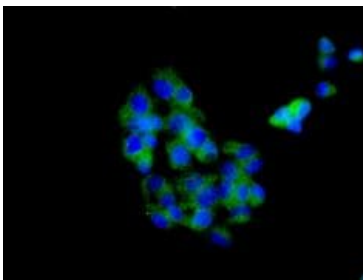
**Lane 1 :** HepG2 cell lysate

**Lane 2 :** MCF-7 cell lysate

**Lane 3 :** K562 cell lysate

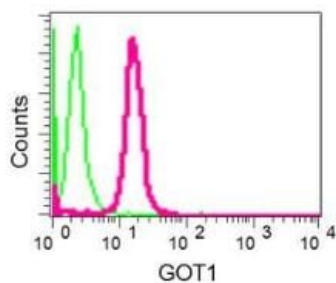
Lysates/proteins at 10 µg per lane.

**Predicted band size:** 46 kDa



Immunocytochemistry/ Immunofluorescence - Anti-Aspartate Aminotransferase + FABP-1 antibody [EPR12145] (ab170950)

Immunofluorescent analysis of HepG2 cells labeling Aspartate Aminotransferase + FABP-1 using unpurified ab170950 at 1/50 dilution (green). DAPI nuclear staining (blue).



Intracellular flow cytometric analysis of permeabilized K562 cells labeling Aspartate Aminotransferase + FABP-1 using unpurified ab170950 at 1/10 dilution (red) or a rabbit IgG negative (green).

Flow Cytometry (Intracellular) - Anti-Aspartate Aminotransferase + FABP-1 antibody [EPR12145] (ab170950)

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-Aspartate Aminotransferase + FABP-1 antibody [EPR12145] (ab170950)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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