abcam

Product datasheet

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

リコンビナント RabMAb

1 Abreviews 7 References 画像数 10

## 製品の概要

| | |
|---|---|
| **製品名** | Anti-Aspartate Aminotransferase + FABP-1 antibody [EPR12145] |
| **製品の詳細** | Rabbit monoclonal [EPR12145] to Aspartate Aminotransferase + FABP-1 |
| **由来種** | Rabbit |
| **特異性** | The mouse and rat recommendation is based on the WB results. We do not guarantee IHC-P for mouse and rat. |
| **アプリケーション** | **適用あり:** Flow Cyt (Intra), WB, ICC/IF, IHC-P |
| **種交差性** | **交差種:** 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** | 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. |
| **特記事項** | This product is a recombinant monoclonal antibody, which offers several advantages including:<br>- High batch-to-batch consistency and reproducibility<br>- Improved sensitivity and specificity<br>- Long-term security of supply<br>- Animal-free production<br>For more information **see here**.<br>Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to **RabMAb® patents**. |

## 製品の特性

| | |
|---|---|
| **製品の状態** | Liquid |
| **保存方法** | 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. |
| **バッファー** | Preservative: 0.01% Sodium azide<br>Constituents: 59% PBS, 40% Glycerol, 0.05% BSA |
| **精製度** | Protein A purified |
| **ポリ/モノ** | モノクローナル |

| | |
|---|---|
| **クローン名** | EPR12145 |
| **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ab170950の使用に適用されます

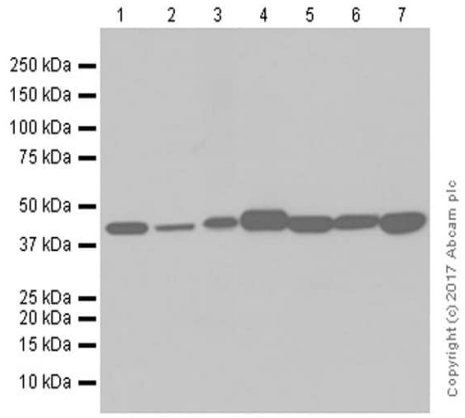
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

| アプリケーション | Abreviews | 特記事項 |
|---|---|---|
| **Flow Cyt (Intra)** | | 1/20.<br>**ab172730** - 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. See **IHC antigen retrieval protocol**.<br>The mouse and rat recommendation is based on the WB results. We do not guarantee IHC-P for mouse and rat. |

## ターゲット情報

**細胞内局在** Aspartate Aminotransferase: Cytoplasm. FABP-1: Mitochondrion matrix. Cell membrane. Exposure to alcohol promotes translocation to the cell membrane.

## 画像




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

**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

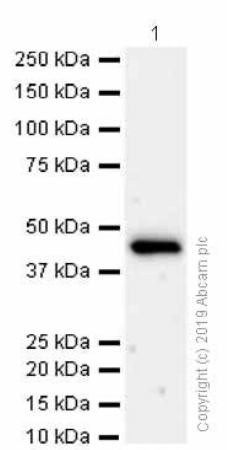
Lysates/proteins at 20 µg per lane.

**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

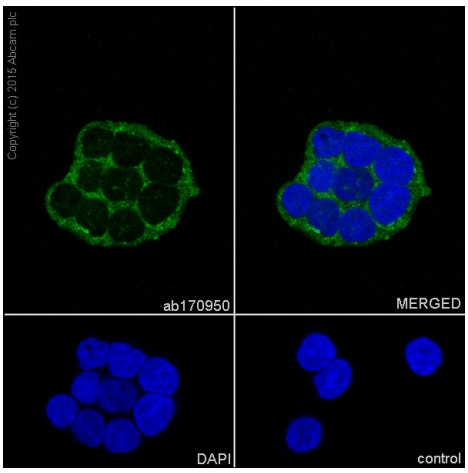
**Secondary**

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

**Predicted band size:** 46 kDa

**Observed band size:** 47 kDa

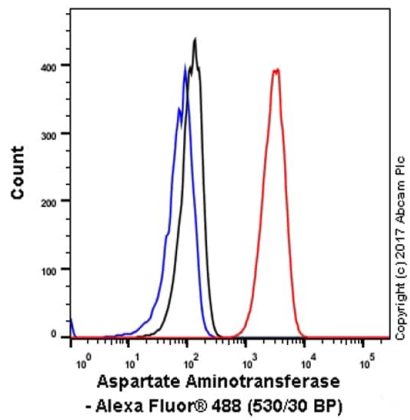
**Exposure time:** 180 seconds




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

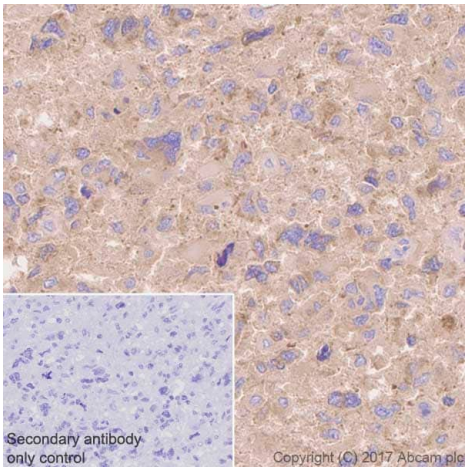
Immunocytochemistry/Immunofluorescence analysis of HT-29 (human colorectal adenocarcinoma) cells labelling Aspartate Aminotransferase + FABP-1 with purified ab170950 at 1/120. Cells were fixed with 100% methanol. An Alexa Fluor® 488-conjugated goat anti-rabbit IgG (**ab150077**) at 1/1000 dilution was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



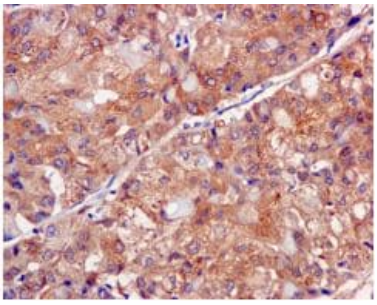

Flow Cytometry (Intracellular) - Anti-Aspartate Aminotransferase + FABP-1 antibody [EPR12145] (ab170950)

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)

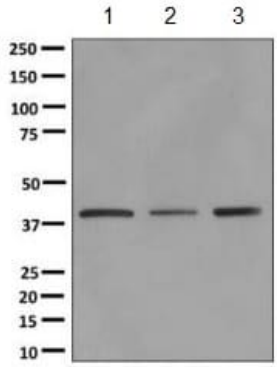
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human glioma tissue sections labeling Aspartate Aminotransferase + FABP-1 with Purified ab170950 at 1:170 dilution. Heat mediated antigen retrieval was performed using **ab93684** (Tris/EDTA buffer, pH 9.0). Tissue was counterstained 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.



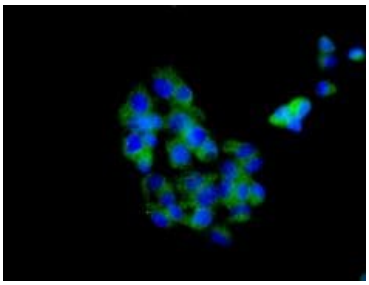

Western blot - Anti-Aspartate Aminotransferase + FABP-1 antibody [EPR12145] (ab170950)

**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

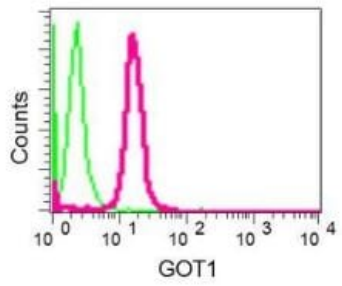
Lysates/proteins at 10 µg per lane.

**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).




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

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).


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



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