abcam

Product datasheet

Anti-Aspartate Aminotransferase + FABP-1 antibody [EPR12145] - BSA and Azide free ab232471

Recombinant RabMAb

8 Images

Overview

Product name	Anti-Aspartate Aminotransferase + FABP-1 antibody [EPR12145] - BSA and Azide free
Description	Rabbit monoclonal [EPR12145] to Aspartate Aminotransferase + FABP-1 - BSA and Azide free
Host species	Rabbit
Specificity	The mouse and rat recommendation is based on the WB results. We do not guarantee IHC-P for mouse and rat.
Tested applications	**Suitable for:** Flow Cyt (Intra), IHC-P, WB, ICC/IF
Species reactivity	**Reacts with:** Mouse, Rat, Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	IHC-P: Human glioma tissue.
General notes	ab232471 is the carrier-free version of **ab170950**. Our **carrier-free** antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency. This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications. Use our **conjugation kits** for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold. This product is compatible with the Maxpar® Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar® is a trademark of Fluidigm Canada Inc. This product is a recombinant monoclonal antibody, which offers several advantages including: - 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**.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C. Do Not Freeze.
Storage buffer	pH: 7.2 Constituent: PBS
Carrier free	Yes
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR12145
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab232471 in the following tested applications.

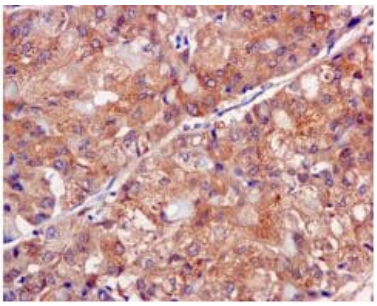
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Flow Cyt (Intra)		Use at an assay dependent concentration.
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol. We do not guarantee IHC-P for mouse and rat.
WB		Use at an assay dependent concentration. Predicted molecular weight: 46 kDa.
ICC/IF		Use at an assay dependent concentration.

Target

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

Images

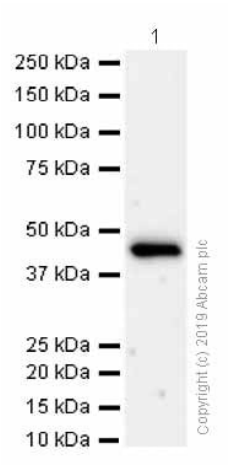


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Aspartate Aminotransferase + FABP-1 antibody [EPR12145] - BSA and Azide free (ab232471)

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

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab170950**).

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] - BSA and Azide free (ab232471)

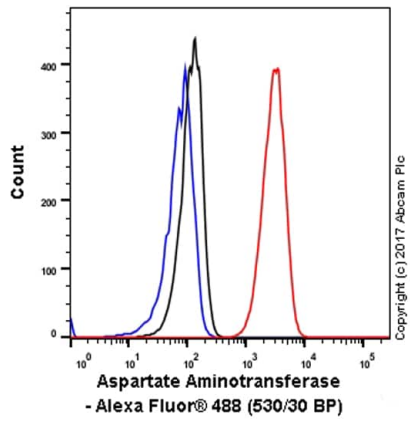
Anti-Aspartate Aminotransferase + FABP-1 antibody [EPR12145] (**ab170950**) at 1/1000 dilution + Recombinant human FABP-1 protein (**ab206788**) at 0.015 µg

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

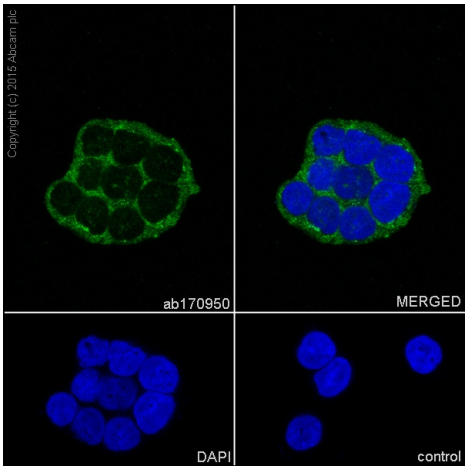
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab170950**).



Flow Cytometry (Intracellular) - Anti-Aspartate Aminotransferase + FABP-1 antibody [EPR12145] - BSA and Azide free (ab232471)

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).

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab170950**).

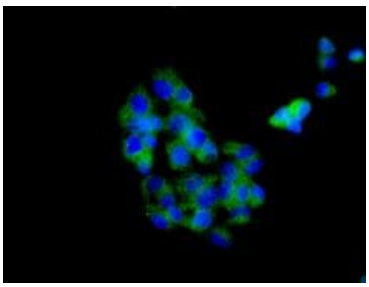


Immunocytochemistry/ Immunofluorescence - Anti-Aspartate Aminotransferase + FABP-1 antibody [EPR12145] - BSA and Azide free (ab232471)

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.

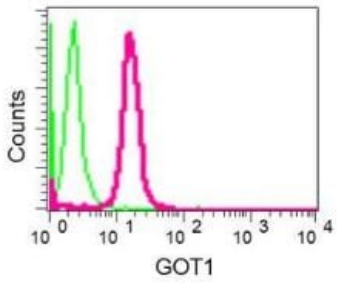
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab170950**).



Immunocytochemistry/ Immunofluorescence - Anti-Aspartate Aminotransferase + FABP-1 antibody [EPR12145] - BSA and Azide free (ab232471)

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

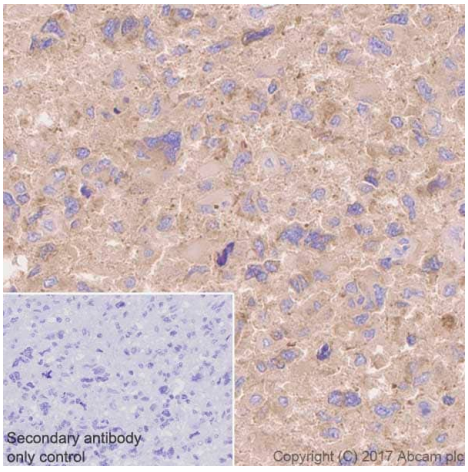
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab170950**).



Flow Cytometry (Intracellular) - Anti-Aspartate Aminotransferase + FABP-1 antibody [EPR12145] - BSA and Azide free (ab232471)

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).

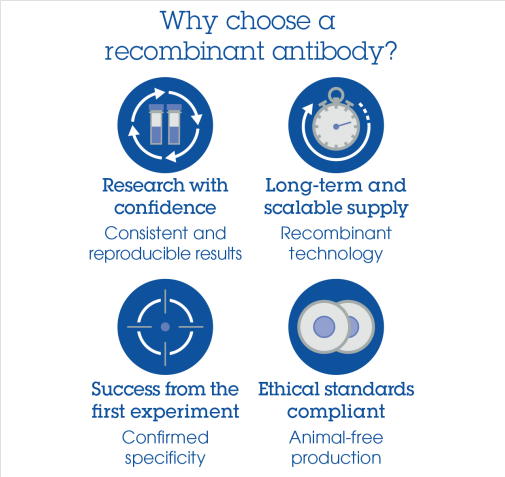
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab170950**).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Aspartate Aminotransferase + FABP-1 antibody [EPR12145] - BSA and Azide free (ab232471)

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.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab170950**).



Anti-Aspartate Aminotransferase + FABP-1 antibody [EPR12145] - BSA and Azide free (ab232471)

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