abcam

Product datasheet

Anti-FABP-1 antibody [8D2BB12] ab113693

1 Image

Overview

Product name	Anti-FABP-1 antibody [8D2BB12]
Description	Mouse monoclonal [8D2BB12] to FABP-1
Host species	Mouse
Tested applications	**Suitable for:** ICC
Species reactivity	**Reacts with:** Human
Immunogen	Tissue, cells or virus. This information is considered to be commercially sensitive.
Positive control	Fibroblast cells
General notes	This antibody clone is manufactured by Abcam. If you require a custom buffer formulation or conjugation for your experiments, please contact **orders@abcam.com**. The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As Product was previously marketed under the MitoSciences sub-brand.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C.
Storage buffer	pH: 7.5 Preservative: 0.02% Sodium azide Constituent: HEPES buffered saline
Purity	Proprietary Purification
Purification notes	The antibody was produced in vitro using hybridomas grown in serum-free medium, and then purified by biochemical fractionation. Purity >95% by SDS-PAGE.
Clonality	Monoclonal

Clone number	8D2BB12
Isotype	IgG2b
Light chain type	kappa

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab113693 in the following tested applications.

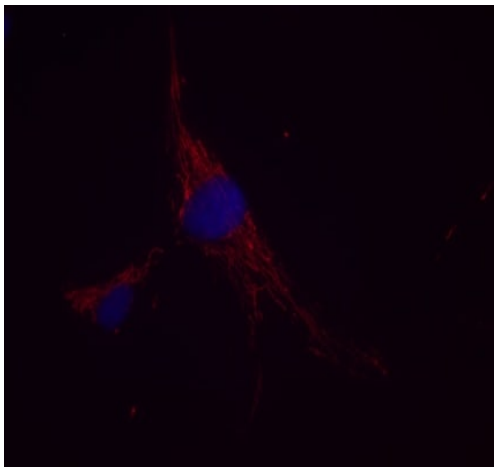
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ICC		Use a concentration of 2 µg/ml.

Target

Function	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.
Sequence similarities	Belongs to the class-I pyridoxal-phosphate-dependent aminotransferase family.
Cellular localization	Mitochondrion matrix. Cell membrane. Exposure to alcohol promotes translocation to the cell membrane.

Images



Immunocytochemistry - Anti-FABP-1 antibody [8D2BB12] (ab113693)

ab113693 [8D2BB12] stained human fibroblast. The cells were paraformaldehyde fixed (4%, 20 min) and Triton X-100 permeabilized (0.1%, 15min). The cells were incubated with the antibody (8D2BB12, 2µg/ml) for 2h at room temperature or over night at 4°C. The secondary antibody was (red) Alexa Fluor® 594 goat anti-mouse IgG (H+L) used at a 1/1000 dilution for 1h. 10% Goat serum was used as the blocking agent for all blocking steps. The target protein locates to the mitochondrial matrix.

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

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