Product datasheet

Anti-FABP4 antibody [EPR3579] ab92501

Overview

Product name
Anti-FABP4 antibody [EPR3579]

Description
Rabbit monoclonal [EPR3579] to FABP4

Host species
Rabbit

Specificity
Ab92501 may cross-react with FABP, FABP3 and FABP9 based on the blast alignments.

Tested applications
Suitable for: WB, ICC/IF, IHC-P

Species reactivity
Reacts with: Mouse, Rat, Human

Immunogen
A synthetic peptide corresponding to residues in Human FABP4.

Positive control

General notes
Our RabMab® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMab® patents

This product is a recombinant rabbit monoclonal antibody.

Properties

Form
Liquid

Storage instructions
Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.

Storage buffer
pH: 7.20
Preservative: 0.01% Sodium azide
Constituents: 9% PBS, 40% Glycerol, 0.05% BSA, 50% Tissue culture supernatant

Purity
Tissue culture supernatant

Clonality
Monoclonal

Clone number
EPR3579

Isotype
IgG

Applications

Our Abpromise guarantee covers the use of ab92501 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.
**Function**
Lipid transport protein in adipocytes. Binds both long chain fatty acids and retinoic acid. Delivers long-chain fatty acids and retinoic acid to their cognate receptors in the nucleus.

**Sequence similarities**
Belongs to the calycin superfamily. Fatty-acid binding protein (FABP) family.

**Domain**
Forms a beta-barrel structure that accommodates hydrophobic ligands in its interior.

**Cellular localization**
Cytoplasm. Nucleus. Depending on the nature of the ligand, a conformation change exposes a nuclear localization motif and the protein is transported into the nucleus. Subject to constitutive nuclear export.

**Images**
FABP4 (green) was detected using FABP4 primary antibody (ab92501; diluted 1/1000). Alpha tubulin (red) was detected using our mouse monoclonal (ab7291) antibody. Cells were imaged by confocal microscopy, using z-stack for adipocyte-like cells.
**Western blot** - Anti-FABP4 antibody [EPR3579] (ab92501)

All lanes: Anti-FABP4 antibody [EPR3579] (ab92501) at 1/1000 dilution

**Lane 1**: Human adipose tissue lysate

**Lane 2**: Human fetal heart lysate

Lysates/proteins at 10 µg per lane.

**Secondary**

All lanes: goat anti-rabbit HRP at 1/2000 dilution

**Predicted band size**: 15 kDa

**Observed band size**: 15 kDa

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**Please note**: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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