

Product datasheet

Anti-FABP4 antibody ab205332

3 Images

Overview

Product name	Anti-FABP4 antibody
Description	Rabbit polyclonal to FABP4
Host species	Rabbit
Tested applications	Suitable for: WB, ICC/IF
Species reactivity	Reacts with: Mouse, Human
Immunogen	Recombinant full length protein corresponding to Human FABP4 aa 1 to the C-terminus. NP_001433.1. highly pure (>98%) recombinant Human FABP4 derived from E. coli. Database link: P15090 Run BLAST with Run BLAST with
Positive control	Recombinant Human FABP4, HDLEC cells, C2C12 cells and primary Human dermal microvascular endothelial cells (HDMEC).
General notes	<p>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.</p> <p>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</p>

Properties

Form	Liquid
Storage instructions	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.
Storage buffer	Constituent: 100% PBS
Purity	Protein A purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab205332 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
WB		Use a concentration of 1 - 5 µg/ml.
ICC/IF		Use a concentration of 2 - 10 µg/ml.

Target

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.

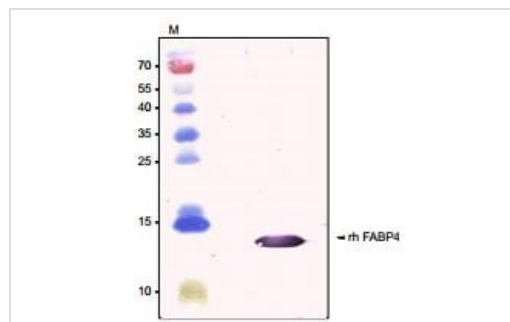
Domain

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

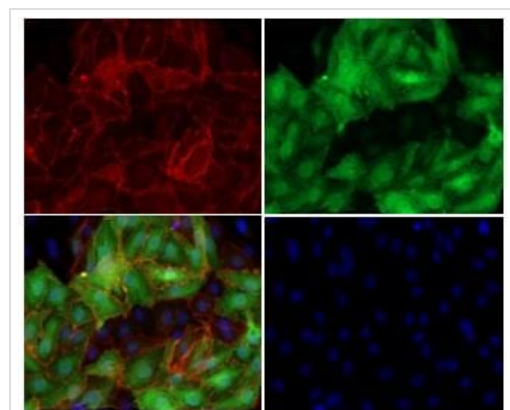


Western blot - Anti-FABP4 antibody (ab205332)

Anti-FABP4 antibody (ab205332) at 5 µg/ml + Recombinant Human FABP4

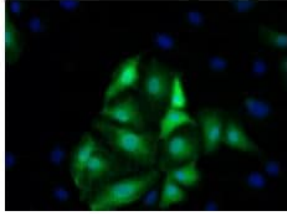
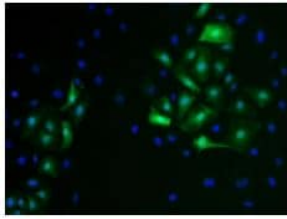
Secondary

AP-conjugated secondary antibody



Immunocytochemistry/ Immunofluorescence - Anti-FABP4 antibody (ab205332)

Immunofluorescence analysis of a coculture of HDLECs and C2C12 cells labeling FABP4 and CD31 with ab205332 (green) and a mouse anti-CD31 monoclonal antibody (red). ab205332 was used at 10 µg/ml and detected with Alexa Fluor[®] 488 goat anti-rabbit IgG secondary antibody at a dilution of 1/600 (green). Goat anti-mouse PE was used for the detection of CD31 (red).



Immunofluorescence analysis of primary human dermal microvascular endothelial cells (HDMEC) cells labeling FABP4 with ab205332 at 10 µg/ml. Alexa Fluor® 488 goat anti-rabbit IgG secondary antibody at a dilution of 1/600 was used as the secondary antibody (green). The slide is counter stained with Dapi (blue). The images were captured at 200X magnification (upper panel) and 400X magnification (lower panel).

Immunocytochemistry/ Immunofluorescence - Anti-FABP4 antibody (ab205332)

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

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