

## Product datasheet

# Anti-FABP-1 antibody ab153924

[4 References](#) [7 Images](#)

### Overview

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<b>Product name</b>	Anti-FABP-1 antibody
<b>Description</b>	Rabbit polyclonal to FABP-1
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB, IHC-P, ICC/IF
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Rat, Human
<b>Immunogen</b>	Recombinant fragment corresponding to Human FABP-1 aa 174-392. Database link: <a href="#">P00505</a>
<b>Positive control</b>	Recombinant Human FABP-1 protein ( <a href="#">ab140064</a> ) can be used as a positive control in WB. HepG2, Mouse Neuro2A and Rat lung whole cell lysates; HeLa cells; Human hepatoma, Rat RT2 xenograft and Human SkHep1 xenograft tissues.
<b>General notes</b>	<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&amp;As</p>

### Properties

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<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	pH: 7.00 Preservative: 0.01% Thimerosal (merthiolate) Constituents: 78.99% PBS, 1% BSA, 20% Glycerol (glycerin, glycerine)
<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

### Applications

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## The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab153924 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		1/500 - 1/3000. Predicted molecular weight: 48 kDa.
IHC-P		1/100 - 1/1000.
ICC/IF		1/100 - 1/1000.

## 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.

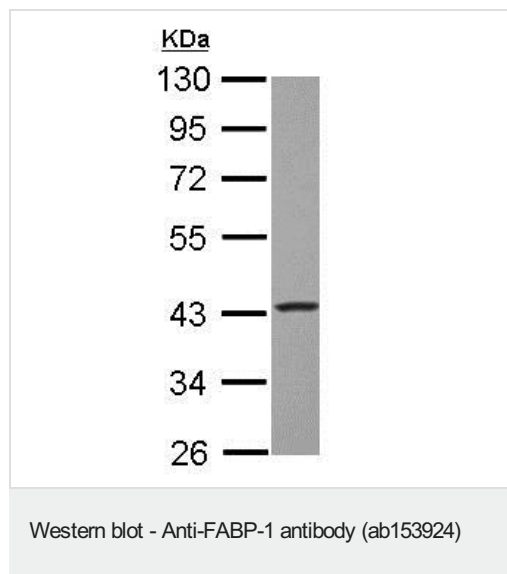
### Sequence similarities

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.

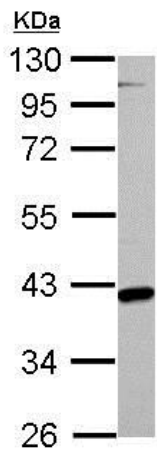
## Images



Anti-FABP-1 antibody (ab153924) at 1/1000 dilution + HepG2 whole cell lysate at 30 µg

**Predicted band size:** 48 kDa

10% SDS PAGE

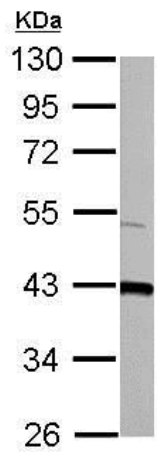


Western blot - Anti-FABP-1 antibody (ab153924)

Anti-FABP-1 antibody (ab153924) at 1/1000 dilution + Mouse Neuro2A whole cell lysate at 30  $\mu$ g

**Predicted band size:** 48 kDa

10 % SDS-PAGE

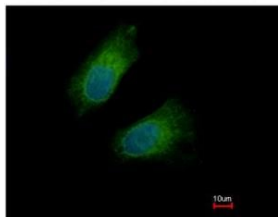
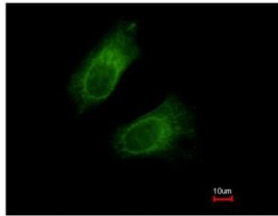


Western blot - Anti-FABP-1 antibody (ab153924)

Anti-FABP-1 antibody (ab153924) at 1/1000 dilution + Rat lung lysate at 50  $\mu$ g

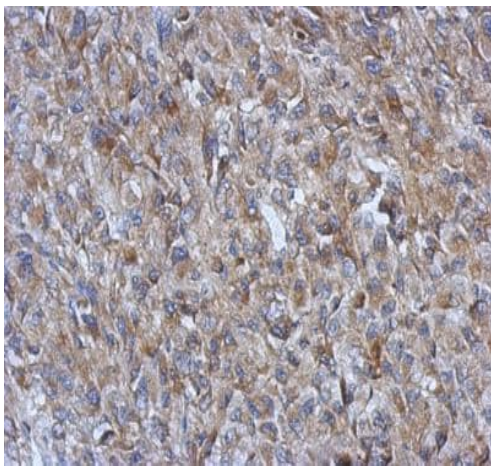
**Predicted band size:** 48 kDa

10 % SDS-PAGE



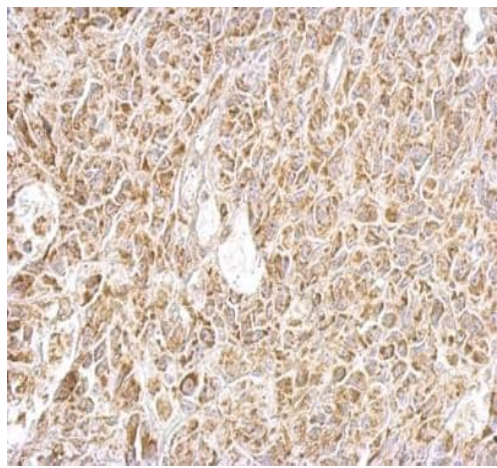
Immunofluorescence analysis of methanol-fixed HeLa cells, labeling FABP-1 with ab153924 at 1/500 dilution. Lower image shows cells co-stained with Hoechst 33342.

Immunocytochemistry/ Immunofluorescence - Anti-FABP-1 antibody (ab153924)



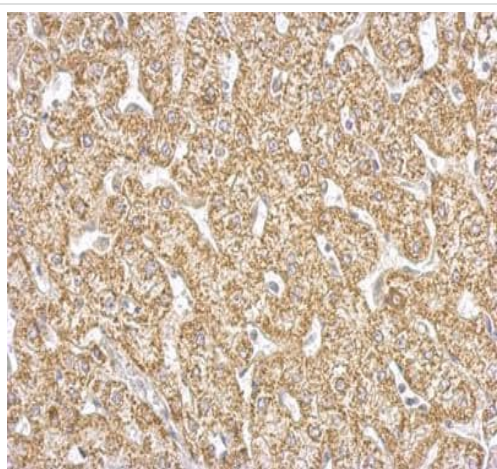
Immunohistochemical analysis of paraffin-embedded Rat RT2 xenograft tissue, labeling FABP-1 with ab153924 at 1/500 dilution.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-FABP-1 antibody (ab153924)



Immunohistochemical analysis of paraffin-embedded Human SKHep1 xenograft tissue, labeling FABP-1 with ab153924 at 1/500 dilution.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-FABP-1 antibody (ab153924)



Immunohistochemical analysis of paraffin-embedded Human hepatoma tissue, labeling FABP-1 with ab153924 at 1/500 dilution.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-FABP-1 antibody (ab153924)

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

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