


## Product datasheet

# Anti-I-FABP antibody [EPR7137] ab126744

Recombinant RabMAb

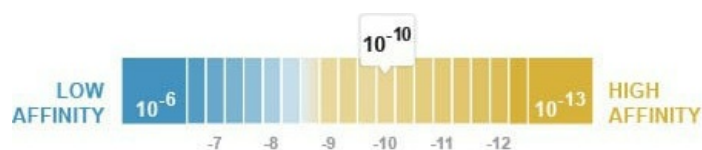
[1 References](#) [3 Images](#)

### Overview

<b>Product name</b>	Anti-I-FABP antibody [EPR7137]
<b>Description</b>	Rabbit monoclonal [EPR7137] to I-FABP
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB <b>Unsuitable for:</b> IHC-P or IP
<b>Species reactivity</b>	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Mouse, Rat 
<b>Immunogen</b>	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
<b>Positive control</b>	Human small intestine lysate
<b>General notes</b>	This product is a recombinant monoclonal antibody, which offers several advantages including: <ul style="list-style-type: none"> <li>- High batch-to-batch consistency and reproducibility</li> <li>- Improved sensitivity and specificity</li> <li>- Long-term security of supply</li> <li>- Animal-free production</li> </ul> For more information <a href="#">see here</a> . Our RabMAb <sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a> .

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.
<b>Dissociation constant (K<sub>D</sub>)</b>	K <sub>D</sub> = 1.60 x 10 <sup>-10</sup> M



[Learn more about K<sub>D</sub>](#)

<b>Storage buffer</b>	pH: 7.20
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Preservative: 0.01% Sodium azide  
Constituents: 0.31% Sodium citrate, 0.175% Sodium chloride, 0.0172% EDTA, 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA

**Purity** Protein A purified  
**Clonality** Monoclonal  
**Clone number** EPR7137  
**Isotype** IgG

## Applications

**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab126744 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		1/1000 - 1/10000. Predicted molecular weight: 15 kDa.

**Application notes** Is unsuitable for IHC-P or IP.

## Target

**Function** FABP are thought to play a role in the intracellular transport of long-chain fatty acids and their acyl-CoA esters. FABP2 is probably involved in triglyceride-rich lipoprotein synthesis. Binds saturated long-chain fatty acids with a high affinity, but binds with a lower affinity to unsaturated long-chain fatty acids. FABP2 may also help maintain energy homeostasis by functioning as a lipid sensor.

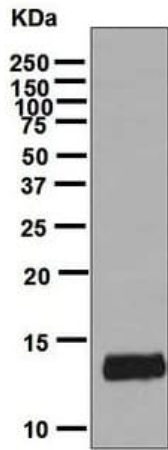
**Tissue specificity** Expressed in the small intestine and at much lower levels in the large intestine. Highest expression levels in the jejunum.

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

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

**Cellular localization** Cytoplasm.

## Images



Western blot - Anti-I-FABP antibody [EPR7137]  
(ab126744)

Anti-I-FABP antibody [EPR7137] (ab126744) at 1/1000 dilution +  
Human small intestine lysate at 10 µg

**Secondary**

HRP labelled goat anti-rabbit at 1/2000 dilution

**Predicted band size:** 15 kDa

OL-RD Scanning - Anti-I-FABP antibody [EPR7137]  
(ab126744)

Equilibrium disassociation constant ( $K_D$ )

Learn more about  $K_D$

[Click here to learn more about  \$K\_D\$](#)

Why choose a recombinant antibody?

 <p><b>Research with confidence</b> Consistent and reproducible results</p>	 <p><b>Long-term and scalable supply</b> Recombinant technology</p>
 <p><b>Success from the first experiment</b> Confirmed specificity</p>	 <p><b>Ethical standards compliant</b> Animal-free production</p>

Anti-I-FABP antibody [EPR7137] (ab126744)

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

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