

Product datasheet

Anti-I-FABP antibody ab60272

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Overview

Product name	Anti-I-FABP antibody
Description	Goat polyclonal to I-FABP
Host species	Goat
Tested applications	Suitable for: WB, ICC/IF, IHC-P, Flow Cyt, ELISA
Species reactivity	Reacts with: Cat, Human Predicted to work with: Rat, Horse, Chicken, Cow, Dog, Pig, Chimpanzee, Rhesus monkey



Immunogen	Synthetic peptide corresponding to Human I-FABP aa 121-132 (C terminal). Sequence: C-EGVEAKRIFKKD
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(Peptide available as [ab115238](#))

 [Run BLAST with](#)

 [Run BLAST with](#)

Positive control	WB: Human duodenum and ileum lysates. IHC-P: Human small intestine tissue. Flow Cyt: A431 cells.
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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>
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Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: Tris buffered saline, 0.5% BSA
Purity	Immunogen affinity purified

Purification notes	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab60272 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 0.001 - 0.003 µg/ml. Detects a band of approximately 16 kDa (predicted molecular weight: 15 kDa). A 1 hour primary incubation is recommended for this product.
ICC/IF		Use at an assay dependent concentration. PubMed: 23236492
IHC-P	★★★★★ (1)	Use a concentration of 2 - 3 µg/ml.
Flow Cyt		Use a concentration of 10 µg/ml.
ELISA		Use at an assay dependent concentration. Antibody detection limit dilution 1:64000.

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 (ab60272)

Lane 1 : Anti-I-FABP antibody (ab60272) at 0.001 µg/ml

Lane 2 : Anti-I-FABP antibody (ab60272) at 0.003 µg/ml

Lane 1 : Human Duodenum lysate in RIPA buffer

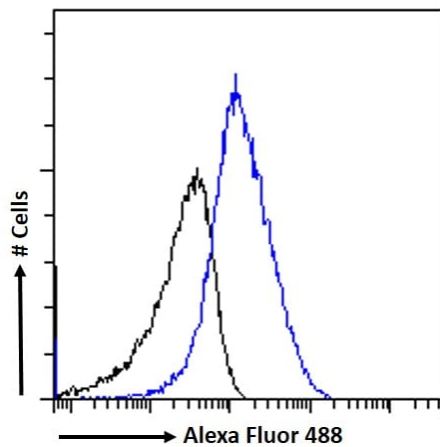
Lane 2 : Ileum lysate in RIPA buffer

Lysates/proteins at 35 µg per lane.

Predicted band size: 15 kDa

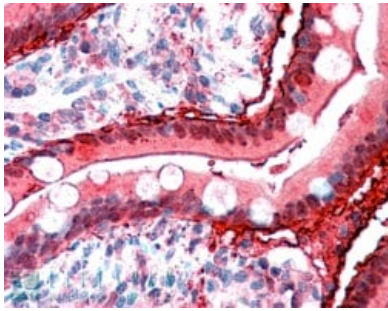
Observed band size: 15-16 kDa

Detected by chemiluminescence.



Flow Cytometry - Anti-I-FABP antibody (ab60272)

ab60272 Flow cytometric analysis of paraformaldehyde fixed A431 cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.



ab60272 (2.5µg/ml) staining of paraffin embedded Human Small Intestine. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-I-FABP antibody (ab60272)

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