

**Anti-FABP2/I-FABP Picoband Antibody**  
**Catalog # ABO12628****Specification**

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**Anti-FABP2/I-FABP Picoband Antibody - Product Information**

|                   |                             |
|-------------------|-----------------------------|
| Application       | WB, IHC, IHC-P, IF, IC, ICC |
| Primary Accession | <a href="#">P12104</a>      |
| Host              | Rabbit                      |
| Reactivity        | Human, Mouse, Rat           |
| Clonality         | Polyclonal                  |
| Format            | Lyophilized                 |

**Description**

Rabbit IgG polyclonal antibody for Fatty acid-binding protein, intestinal(FABP2) detection. Tested with WB, IHC-P in Human;Mouse;Rat.

**Reconstitution**

Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

**Anti-FABP2/I-FABP Picoband Antibody - Additional Information**

**Gene ID** 2169

**Other Names**

Fatty acid-binding protein, intestinal, Fatty acid-binding protein 2, Intestinal-type fatty acid-binding protein, I-FABP, FABP2, FABPI

**Calculated MW**

15207 MW KDa

**Application Details**

Immunohistochemistry(Paraffin-embedded Section), 0.5-1 µg/ml, Human, Mouse, Rat, By Heat  
Western blot, 0.1-0.5 µg/ml, Human

**Subcellular Localization**

Cytoplasm.

**Tissue Specificity**

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

**Protein Name**

Fatty acid-binding protein, intestinal

**Contents**

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na<sub>2</sub>HPO<sub>4</sub>, 0.05mg NaN<sub>3</sub>.

**Immunogen**

A synthetic peptide corresponding to a sequence at the N-terminus of human FABP2/I-FABP (2-38aa AFDSTWKVDRSENYDKFMEKMGVNIVKRKLAHDNLK), different from the related mouse

sequence by seven amino acids, and from the related rat sequence by six amino acids

**Purification**

Immunogen affinity purified.

**Cross Reactivity**

No cross reactivity with other proteins

**Storage**

**At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.**

**Anti-FABP2/I-FABP Picoband Antibody - Protein Information**

**Name** FABP2

**Synonyms** FABPI

**Function**

FABPs 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.

**Cellular Location**

Cytoplasm.

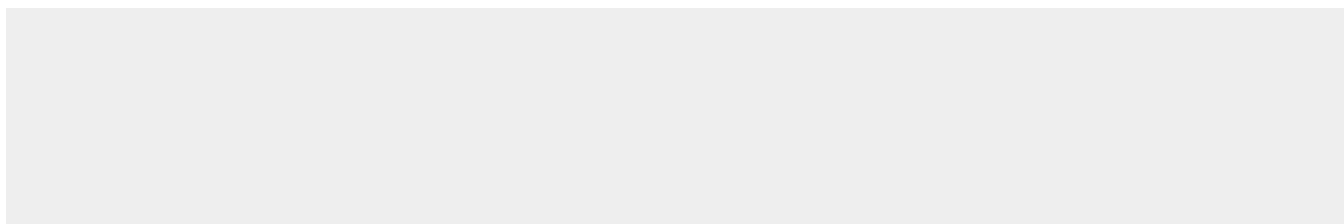
**Tissue Location**

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

**Anti-FABP2/I-FABP Picoband Antibody - Protocols**

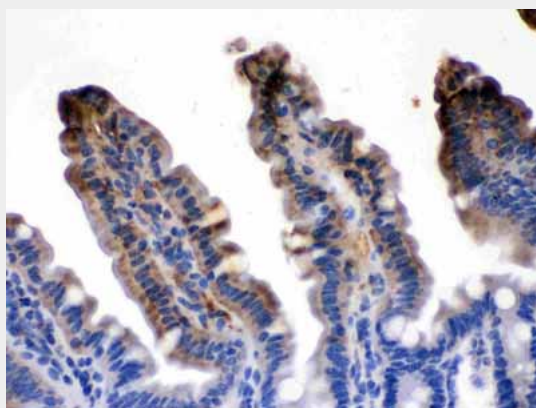
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

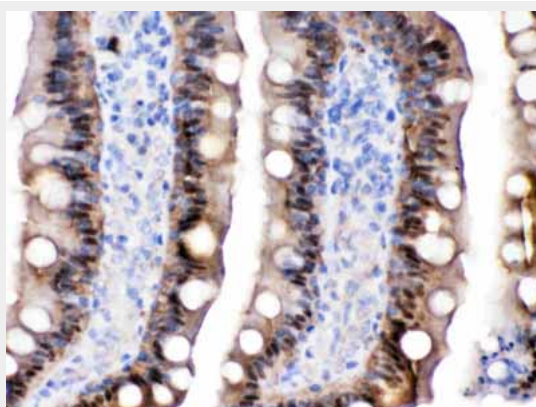
**Anti-FABP2/I-FABP Picoband Antibody - Images**

100KD —  
70KD —  
55KD —  
35KD —  
25KD —  
15KD —

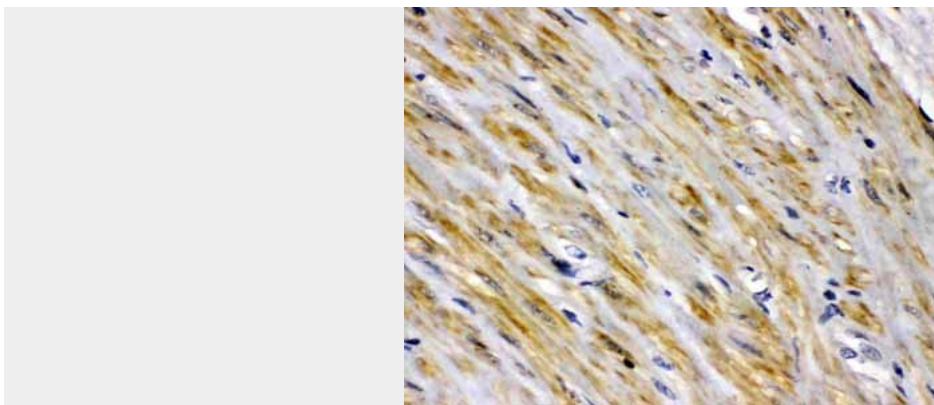
Western blot analysis of FABP2/I-FABP expression in SW620 whole cell lysates (lane 1). FABP2/I-FABP at 15KD was detected using rabbit anti- FABP2/I-FABP Antigen Affinity purified polyclonal antibody (Catalog # ABO12628) at 0.5 µg/mL. The blot was developed using chemiluminescence (ECL) method .



FABP2/I-FABP was detected in paraffin-embedded sections of mouse intestine tissues using rabbit anti- FABP2/I-FABP Antigen Affinity purified polyclonal antibody (Catalog # ABO12628) at 1 µg/mL. The immunohistochemical section was developed using SABC method .



FABP2/I-FABP was detected in paraffin-embedded sections of rat intestine tissues using rabbit anti- FABP2/I-FABP Antigen Affinity purified polyclonal antibody (Catalog # ABO12628) at 1 µg/mL. The immunohistochemical section was developed using SABC method .



FABP2/I-FABP was detected in paraffin-embedded sections of human intestinal cancer tissues using rabbit anti- FABP2/I-FABP Antigen Affinity purified polyclonal antibody (Catalog # ABO12628) at 1 µg/mL. The immunohistochemical section was developed using SABC method .

#### **Anti-FABP2/I-FABP Picoband Antibody - Background**

FABP 2, Fatty acid-binding protein 2, is a protein that in humans is encoded by the FABP2 gene. Using a human cDNA probe, the gene is assigned to chromosome 4 in somatic cell hybrids. FABP 2 gene contains four exons and is an abundant cytosolic protein in small intestine epithelial cells. The FABPs belong to a multigene family with nearly twenty identified members. And FABPs are divided into at least three distinct types, namely the hepatic-, intestinal- and cardiac-type. They form 14-15 kDa proteins and are thought to participate in the uptake, intracellular metabolism and/or transport of long-chain fatty acids. Also, they may be responsible in the modulation of cell growth and proliferation.