

**FABP2 Antibody (N-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP12906a****Specification**

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**FABP2 Antibody (N-term) - Product Information**

|                   |                             |
|-------------------|-----------------------------|
| Application       | IHC-P, WB,E                 |
| Primary Accession | <a href="#">P12104</a>      |
| Other Accession   | <a href="#">NP_000125.2</a> |
| Reactivity        | Human                       |
| Host              | Rabbit                      |
| Clonality         | Polyclonal                  |
| Isotype           | Rabbit IgG                  |
| Calculated MW     | 15237                       |
| Antigen Region    | 1-30                        |

**FABP2 Antibody (N-term) - 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

**Target/Specificity**

This FABP2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human FABP2.

**Dilution**

IHC-P~~1:10~50

WB~~1:1000

E~~Use at an assay dependent concentration.

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

FABP2 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**FABP2 Antibody (N-term) - 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

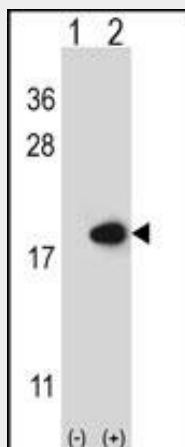
Expressed in the small intestine and at much lower levels in the large intestine. Highest expression levels in the jejunum.

### FABP2 Antibody (N-term) - Protocols

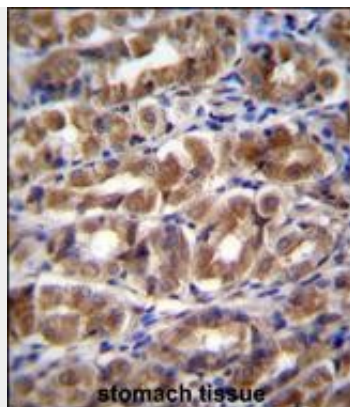
Provided below are standard protocols that you may find useful for product applications.

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

### FABP2 Antibody (N-term) - Images



Western blot analysis of FABP2 (arrow) using rabbit polyclonal FABP2 Antibody (N-term) (Cat. #AP12906a). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the FABP2 gene.



FABP2 Antibody (N-term) (Cat. #AP12906a) immunohistochemistry analysis in formalin fixed and paraffin embedded human stomach tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of FABP2 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.

#### **FABP2 Antibody (N-term) - Background**

The intracellular fatty acid-binding proteins (FABPs) belong to a multigene family with nearly twenty identified members. 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. They may also be responsible in the modulation of cell growth and proliferation. Intestinal fatty acid-binding protein 2 gene contains four exons and is an abundant cytosolic protein in small intestine epithelial cells. This gene has a polymorphism at codon 54 that identified an alanine-encoding allele and a threonine-encoding allele. Thr-54 protein is associated with increased fat oxidation and insulin resistance. [provided by RefSeq].

#### **FABP2 Antibody (N-term) - References**

Romero, R., et al. Am. J. Obstet. Gynecol. 203 (4), 361 (2010) :  
Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010)  
de Luis, D.A., et al. Metab. Clin. Exp. (2010) In press :  
Zhao, T., et al. Diabetes Metab. Res. Rev. 26(5):357-364(2010)  
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