10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-FABP2/I-FABP Picoband Antibody

Catalog # ABO12628

Specification

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

Application	**WB, IHC**
Primary Accession	P12104
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 Na2HPO4, 0.05mg NaN3.

Immunogen
A synthetic peptide corresponding to a sequence at the N-terminus of human FABP2/I-FABP (2-38aa AFDSTWKVDRSENYDKFMEKMGVNIVKRKLAAHDNLK), 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 r˚Constitution, 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.

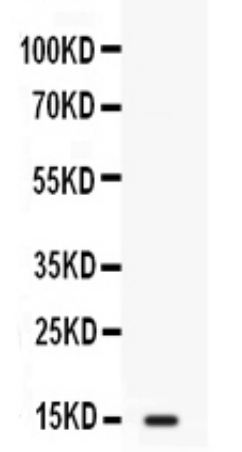
Anti-FABP2/I-FABP Picoband Antibody - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

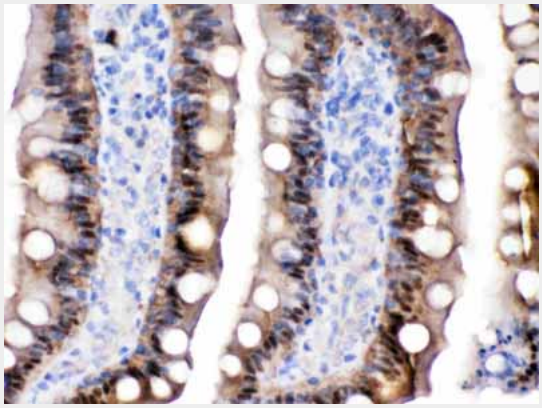
Anti-FABP2/I-FABP Picoband Antibody - Images

10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999



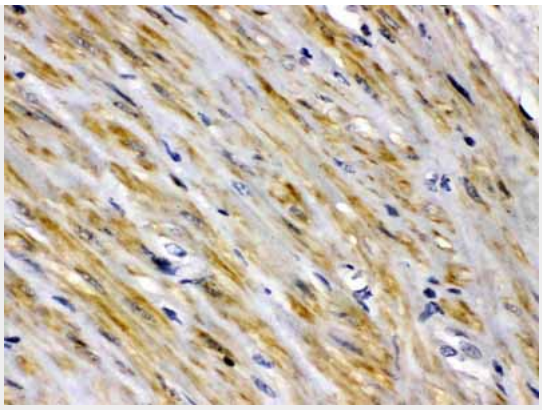
Western blot analysis of FABP2/I-FABP expression in SW620 whole cell lysates (lane 1). FABP2/I-FABP at 15KD was detected using rabbit anti- FABP2/I-FABP Antigen Affinity purified polyclonal antibody (Catalog # ABO12628) at 0.5 Î¼g/mL. The blot was developed using chemiluminescence (ECL) method .

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 Î¼g/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 Î¼g/mL. The immunohistochemical section was developed using SABC method .

10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999



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 ??g/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.