

**Anti-liver FABP Picoband Antibody**  
Catalog # ABO12272**Specification****Anti-liver FABP Picoband Antibody - Product Information**

Application	WB, IHC
Primary Accession	<a href="#">P07148</a>
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Format	Lyophilized

**Description**

Rabbit IgG polyclonal antibody for Fatty acid-binding protein, liver(FABP1) detection. Tested with WB, IHC-P in Human;Mouse;Rat.<br>

**Reconstitution**

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

**Anti-liver FABP Picoband Antibody - Additional Information**

**Gene ID** 2168

**Other Names**

Fatty acid-binding protein, liver, Fatty acid-binding protein 1, Liver-type fatty acid-binding protein, L-FABP, FABP1, FABPL

**Calculated MW**

14208 MW KDa

**Application Details**

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

**Subcellular Localization**

Cytoplasm.

**Protein Name**

Fatty acid-binding protein, liver

**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 liver FABP (6-36aa KYQLSQENFEAFMKAIGLPEELIQKGKDIK), different from the related mouse sequence by two amino acids, and from the related rat sequence by four 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-liver FABP Picoband Antibody - Protein Information**

**Name** FABP1

**Synonyms** FABPL

**Function**

Plays a role in lipoprotein-mediated cholesterol uptake in hepatocytes (PubMed:<a href="http://www.uniprot.org/citations/25732850" target="\_blank">25732850</a>). Binds cholesterol (PubMed:<a href="http://www.uniprot.org/citations/25732850" target="\_blank">25732850</a>). Binds free fatty acids and their coenzyme A derivatives, bilirubin, and some other small molecules in the cytoplasm. May be involved in intracellular lipid transport (By similarity).

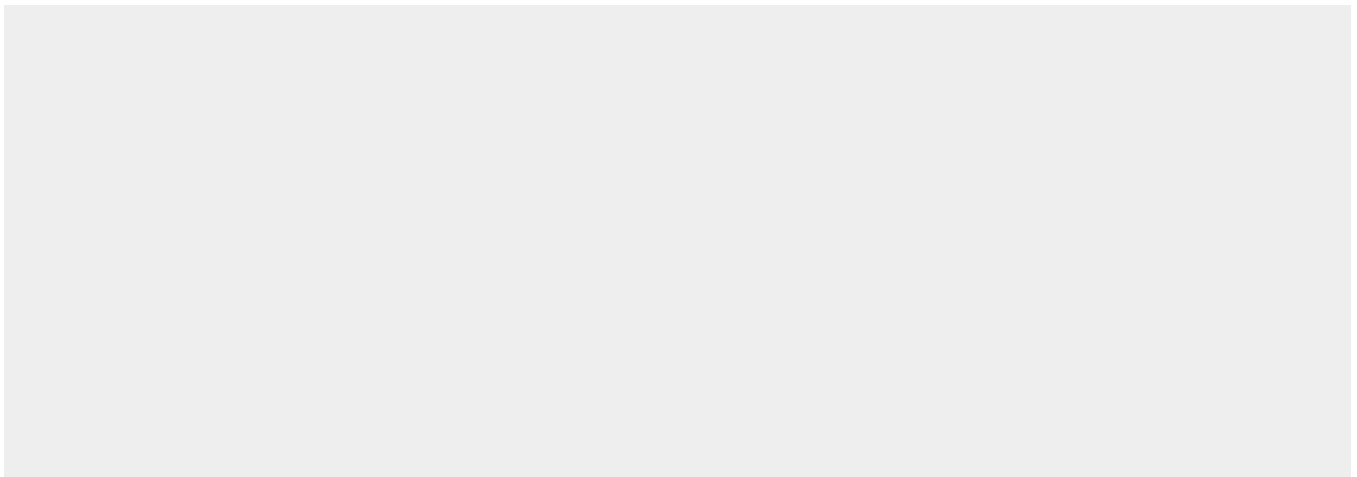
**Cellular Location**

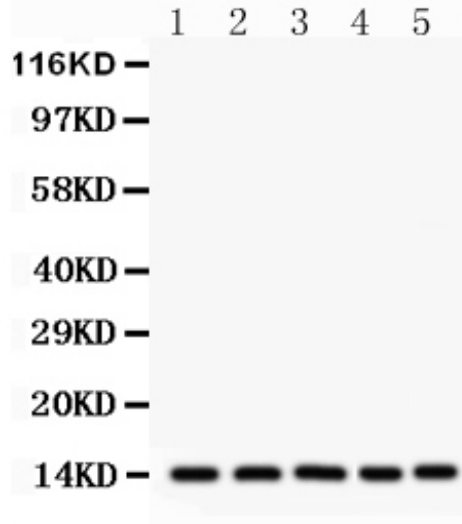
Cytoplasm.

**Anti-liver FABP Picoband Antibody - Protocols**

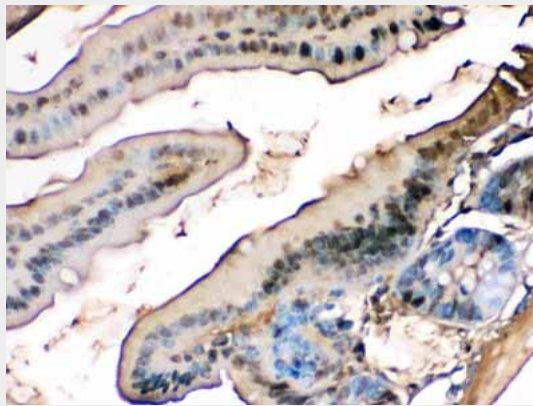
Provided below are standard protocols that you may find useful for product applications.

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

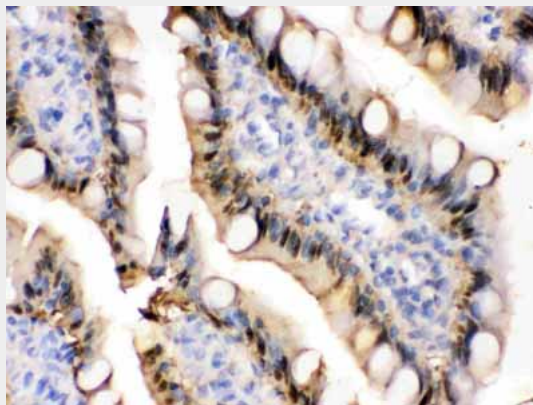
**Anti-liver FABP Picoband Antibody - Images**



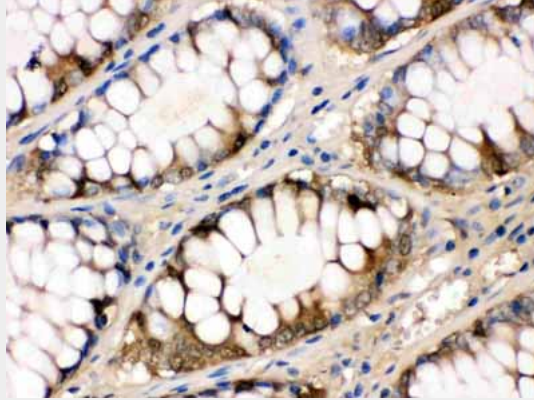
Anti- liver FABP Picoband antibody, ABO12272, Western blotting All lanes: Anti liver FABP (ABO12272) at 0.5ug/ml Lane 1: Rat Liver Tissue Lysate at 50ug Lane 2: Mouse Liver Tissue Lysate at 50ug Lane 3: SMMC Whole Cell Lysate at 40ug Lane 4: HEPG2 Whole Cell Lysate at 40ug Lane 5: RH35 Whole Cell Lysate at 40ug Predicted bind size: 14KD Observed bind size: 14KD



Anti- liver FABP Picoband antibody, ABO12272, IHC(P) IHC(P): Mouse Intestine Tissue



Anti- liver FABP Picoband antibody, ABO12272, IHC(P) IHC(P): Rat Intestine Tissue



Anti- liver FABP Picoband antibody, ABO12272,IHC(P)IHC(P): Human Intestinal Cancer Tissue

#### **Anti-liver FABP Picoband Antibody - Background**

Fatty acid binding protein 1, liver, also known as FABP1 or FABPL, is a human gene locating at 2p11. FABP1 encodes the fatty acid binding protein found in liver. Fatty acid binding proteins are a family of small, highly conserved, cytoplasmic proteins that bind free fatty acids, their CoA derivatives, bilirubin, organic anions, and other small molecules. FABP1 and FABP6 (the ileal fatty acid binding protein) are also able to bind bile acids. It is thought that FABPs roles include fatty acid uptake, transport, and metabolism. The liver form of FABP may be identical to the major liver protein-1 (Lvp-1), which is encoded by a gene situated within 1 cM of Ly-2.