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Anti-liver FABP Picoband Antibody

Catalog # ABO12272

Specification

Anti-liver FABP Picoband Antibody - Product Information

Application	**WB, IHC-P**
Primary Accession	P07148
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.

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

Western blot, 0.1-0.5 µg/ml, Human, Mouse, Rat

Subcellular Localization
Cytoplasm.

Protein Name
Fatty acid-binding protein, liver

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 liver FABP (6-36aa KYQLQSQENFEAFMKAIGLPEELIQKGKDIK), 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:25732850). Binds cholesterol (PubMed:25732850). 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 Cytomety
- Cell Culture

Anti-liver FABP Picoband Antibody - Images

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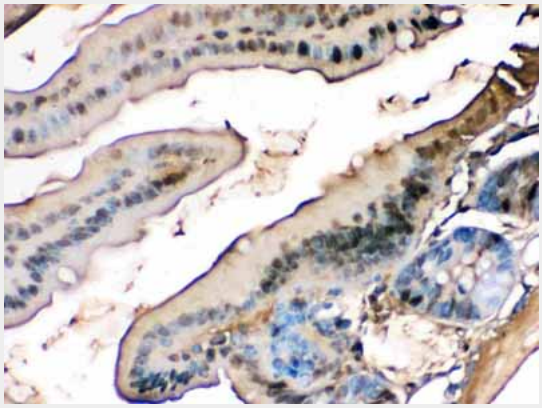
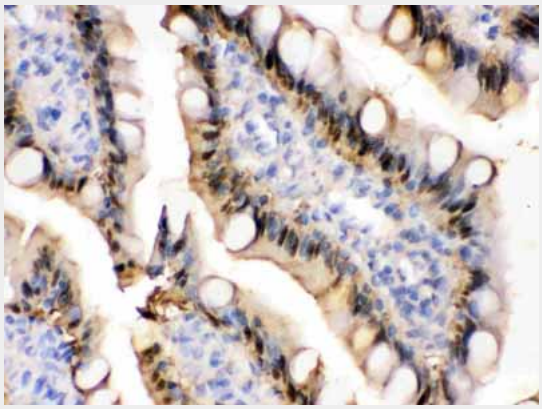
Anti- liver FABP Picoband antibody, ABO12272, Western blottingAll lanes: Anti liver FABP (ABO12272) at 0.5ug/mlLane 1: Rat Liver Tissue Lysate at 50ugLane 2: Mouse Liver Tissue Lysate at 50ugLane 3: SMMC Whole Cell Lysate at 40ugLane 4: HEPG2 Whole Cell Lysate at 40ugLane 5: RH35 Whole Cell Lysate at 40ugPredicted bind size: 14KDObserved 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

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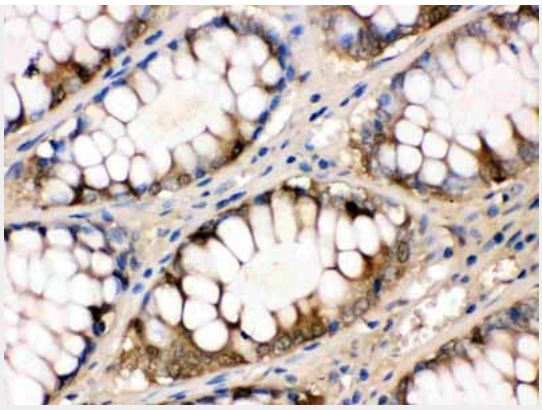

Anti- liver FABP Picoband antibody, ABO12272,IHC(P)IHC(P): Human Intestinal Cancer Tissue

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 metaboism. 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.