

Anti-liver FABP Antibody
Catalog # ABO10606**Specification**

Anti-liver FABP Antibody - Product Information

Application	WB, IHC
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 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, Mouse, Rat, Human, 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 Thimerosal, 0.05mg NaN₃.

Immunogen

A synthetic peptide corresponding to a sequence at the N-terminus of human liver FABP(16-31aa EAFMKAIGLPEELIQK), different from the related mouse sequence by two 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-liver FABP Antibody - Protein Information

Name FABP1

Synonyms FABPL

Function

Plays a role in lipoprotein-mediated cholesterol uptake in hepatocytes (PubMed: [25732850](http://www.uniprot.org/citations/25732850)). Binds cholesterol (PubMed: [25732850](http://www.uniprot.org/citations/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).

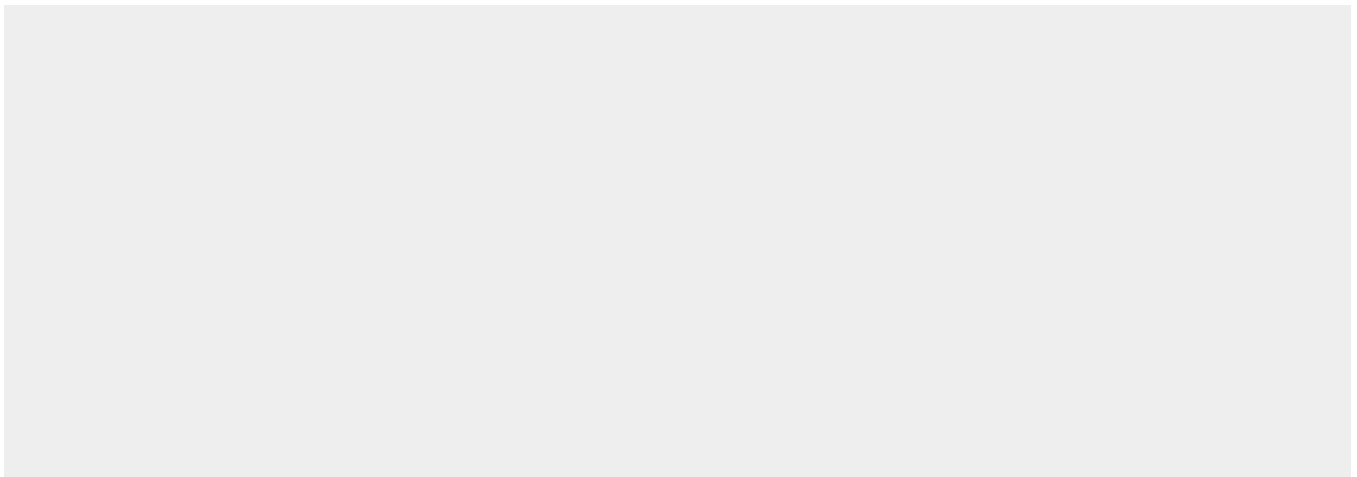
Cellular Location

Cytoplasm.

Anti-liver FABP Antibody - Protocols

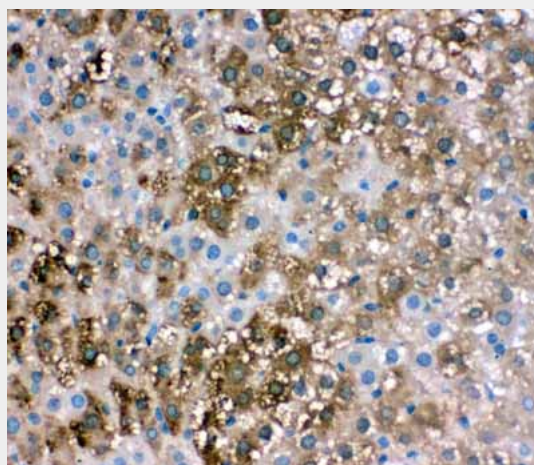
Provided below are standard protocols that you may find useful for product applications.

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

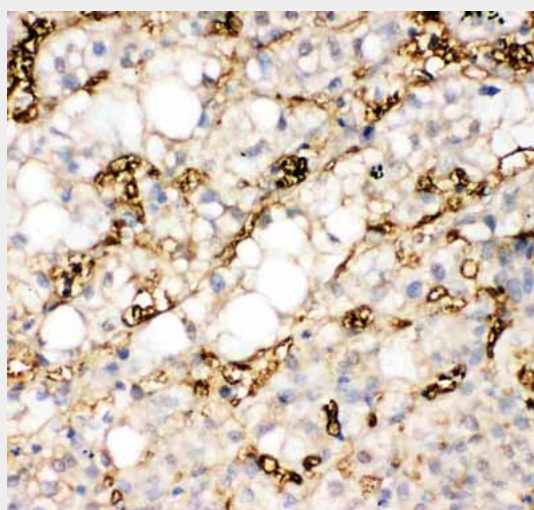
Anti-liver FABP Antibody - Images



Anti-liver FABP antibody, ABO10606, Western blotting
Lane 1: Rat Liver Tissue Lysate
Lane 2: Rat Kidney Tissue Lysate
Lane 3: HELA Cell Lysate
Lane 4: NEURO Cell Lysate
Lane 5: SMMC Cell Lysate



Anti-liver FABP antibody, ABO10606, IHC(P)
IHC(P): Rat Liver Tissue



Anti-liver FABP antibody, ABO10606, IHC(P)
IHC(P): Human Liver Cancer Tissue

Anti-liver FABP 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 though 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.