

Anti-liver FABP Picoband Antibody

Catalog # ABO12272

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.

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
Application Details	Immunohistochemistry(Paraffin-embedded Section), 0.5-1 μ g/ml, Human, Mouse, Rat, By Heat Western blot, 0.1-0.5 μ g/ml, Human, Mouse, Rat
Subcellular Localization	Cytoplasm.
Source	Eukaryota
Protein Name	Fatty acid-binding protein, liver
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
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 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.

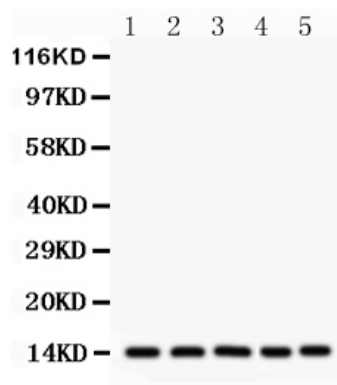
Protein Information

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.

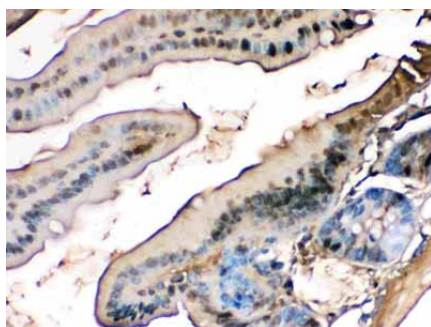
Background

Fatty acid binding protein 1, liver, also known as FABP1 or FABPL, is a human gene located 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.

Images

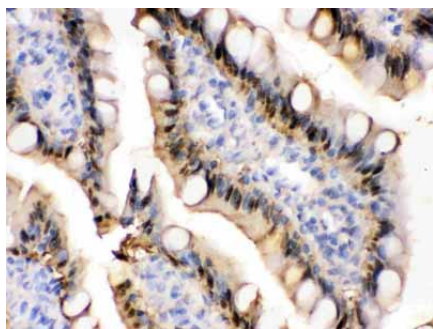


Anti- liver FABP Picoband antibody, ABO12272, Western blotting
All lanes: Anti liver FABP (ABO12272) at 0.5ug/ml
Lane 1: Rat Liver Tissue Lysate at 50ug
Lane 2: Mouse Liver Tissue Lysate at 50ug
Lane 3: SMMC Whole Cell Lysate at 40ug
Lane 4: HEPG2 Whole Cell Lysate at 40ug
Lane 5: RH35 Whole Cell Lysate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

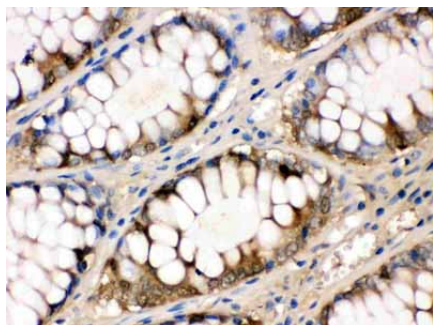


Anti- liver FABP Picoband antibody, ABO12272, IHC(P)
IHC(P): Mouse Intestine Tissue

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



Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.