

Anti-liver FABP antibody ab7807

 6 References |  2 Images

Overview

Product name	Anti-liver FABP antibody
Description	Rabbit polyclonal to liver FABP
Specificity	The antibody reacts with human L-FABP of both natural and recombinant origin. No cross-reactivities with other FABP types have been detected. A reaction with dog is possible, as described by Genwaybio: This antibody has never been tested for cross-reactivity in dog. I ran a sequence alignment between the recombinant sequence that was used to generate this antibody and the predicted sequence for dog fatty acid binding protein, liver. There was a 90% identity homology between the two sequences.
Tested applications	IHC-Fr, IP, IHC-P, WB
Species reactivity	Reacts with: Rat, Human
Immunogen	Full length native protein (purified) (Human)

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	PBS with 0.2% BSA, 0.1% sodium azide
Purity	IgG fraction
Clonality	Polyclonal
Isotype	IgG
Research Areas	▶ Signal Transduction → Metabolism → Lipid metabolism ▶ Metabolism → Types of disease → Cancer

Applications

Our [Abpromise guarantee](#) covers the use of **ab7807** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Notes
IHC-Fr	IHC-Fr: Use at an assay dependent dilution.
IP	IP: Use at an assay dependent dilution.
IHC-P	IHC-P: Use at an assay dependent dilution.
WB	WB: Use at an assay dependent dilution. Detects a band of approximately 14 kDa (predicted molecular weight: 14 kDa).

Target








Function	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.
Sequence similarities	Belongs to the calycin superfamily. Fatty-acid binding protein (FABP) family.
Domain	Forms a beta-barrel structure that accommodates hydrophobic ligands in its interior.
Cellular localization	Cytoplasm.

Target information above from: UniProt accession  [P07148](#) The UniProt Consortium

The Universal Protein Resource (UniProt) in 2010

 Nucleic Acids Res. 38:D142-D148 (2010) .

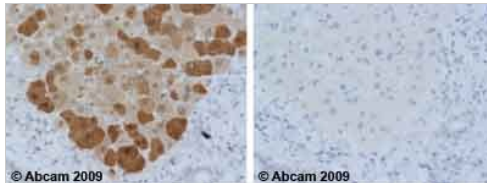
Database links

-  [Entrez Gene: 2168 Human](#)
-  [Entrez Gene: 24360 Rat](#)
-  [Omid: 134650 Human](#)
-  [SwissProt: P07148 Human](#)
-  [SwissProt: P02692 Rat](#)
-  [Unigene: 380135 Human](#)
-  [Unigene: 36412 Rat](#)

Alternative names

FABP 1 antibody
FABP1 antibody
FABP1 antibody
FABPL antibody
FABPL_HUMAN antibody
Fatty Acid Binding Protein 1 antibody
Fatty acid binding protein 1 liver antibody
Fatty Acid Binding Protein antibody
Fatty acid-binding protein 1 antibody
Fatty acid-binding protein antibody
Fatty acid-binding protein liver antibody
L FABP antibody
L-FABP antibody
liver antibody
Liver-type fatty acid-binding protein antibody

Anti-liver FABP antibody images

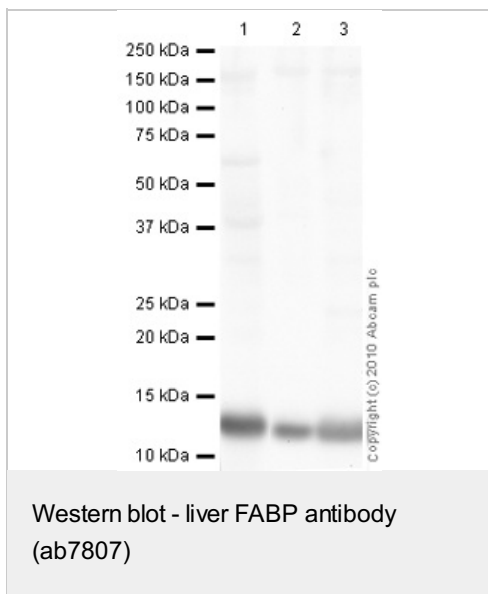


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)-liver FABP antibody(ab7807)

Ab7807 staining Human normal liver. Staining is localized to the cytoplasm.

Left panel: with primary antibody at 4 ug/ml.
Right panel: isotype control.

Sections were stained using an automated system DAKO Autostainer Plus , at room temperature. Sections were rehydrated and antigen retrieved with the Dako 3-in-1 AR buffer EDTA pH 9.0 in a DAKO PT Link. Slides were peroxidase blocked in 3% H₂O₂ in methanol for 10 minutes. They were then blocked with Dako Protein block for 10 minutes (containing casein 0.25% in PBS), then incubated with primary antibody for 20 minutes, and detected with Dako Envision Flex amplification kit for 30 minutes. Colorimetric detection was completed with diaminobenzidine for 5 minutes. Slides were counterstained with Haematoxylin and coverslipped under DePeX. Please note that for manual staining we recommend to optimize the primary antibody concentration and incubation time (overnight incubation), and amplification may be required.



All lanes : Anti-liver FABP antibody (ab7807) at 1/250 dilution

Lane 1 : Liver (Human) Tissue Lysate - adult normal tissue (ab29889)

Lane 2 : Liver (Rat) Tissue Lysate

Lane 3 : Liver (Human) Tissue Lysate - fetal normal tissue (ab29890)

Lysates/proteins at 10 µg per lane.

Secondary

Goat Anti-Rabbit IgG H&L (HRP) preadsorbed (ab97080) at 1/5000 dilution developed using the ECL technique

Performed under reducing conditions.

Predicted band size : 14 kDa

Observed band size : 14 kDa

Additional bands at : 61 kDa. We are unsure as to the identity of these extra bands.

Exposure time : 30 seconds

Please note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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Product Datasheet

- Abcam biochemicals are novel compounds and we have not tested their biological activity in house. Please use the literature to identify how to use these products effectively. If you require further assistance please contact the scientific support team



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