

Anti-liver FABP Antibody [JE10-77]

HA722321



Product Type:	Recombinant Rabbit monoclonal IgG, primary antibodies
Species reactivity:	Human, Mouse
Applications:	WB
Molecular Wt:	Predicted band size: 14 kDa
Clone number:	JE10-77

Description: FABP1 is a human gene coding for the protein product FABP1 (Fatty Acid-Binding Protein 1). It is also frequently known as liver-type fatty acid-binding protein (LFABP). FABP1 is primarily expressed in the liver where it is involved in the binding, transport and metabolism of long-chain fatty acids (LCFAs), endocannabinoids, phytocannabinoids (and less so for synthetic cannabinoid receptor (CBR) agonists and antagonists) and other hydrophobic molecules. Altered expression of the protein has been linked to metabolic conditions including obesity.

Immunogen: Synthetic peptide within Human FABP-1 aa 1-100.

Positive control: Human liver tissue lysate, mouse liver tissue lysate.

Subcellular location: Cytoplasm.

Database links: SwissProt: P07148 Human | P12710 Mouse

Recommended Dilutions:
WB 1:1,000

Storage Buffer: 1*TBS (pH7.4), 0.05% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.

Storage Instruction: Shipped at 4°C. Store at +4°C short term (1-2 weeks). It is recommended to aliquot into single-use upon delivery. Store at -20°C long term.

Purity: Protein A affinity purified.

Hangzhou Huaan Biotechnology Co., Ltd.

Orders: 0086-571-88062880

Technical: 0086-571-89986345

Service mail: support@huabio.cn

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Applications: WB=Western blot IHC-P=Immunohistochemistry (paraffin) IF-Cell=Immunofluorescence (Cell) IF-Tissue=Immunofluorescence (Tissue) FC=Flow cytometry IP=Immunoprecipitation

Images

Fig1: Western blot analysis of liver FABP on different lysates with Rabbit anti-liver FABP antibody (HA722321) at 1/1,000 dilution.

Lane 1: Human liver tissue lysate

Lane 2: Mouse liver tissue lysate

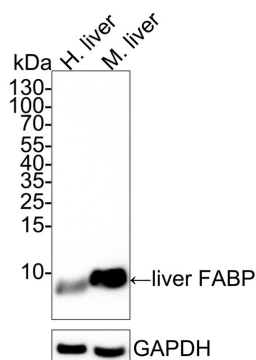
Lysates/proteins at 40 µg/Lane.

Predicted band size: 14 kDa

Observed band size: 8 kDa

Exposure time: 1 minute 16 seconds; ECL: K1801;

4-20% SDS-PAGE gel.



Proteins were transferred to a PVDF membrane and blocked with 5% NFDM/TBST for 1 hour at room temperature. The primary antibody (HA722321) at 1/1,000 dilution was used in 5% NFDM/TBST at 4°C overnight. Goat Anti-Rabbit IgG - HRP Secondary Antibody (HA1001) at 1/50,000 dilution was used for 1 hour at room temperature.

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

Background References

1. Yu M et al. Berberine alleviates lipid metabolism disorders via inhibition of mitochondrial complex I in gut and liver. *Int J Biol Sci.* 2021 Apr
2. Xiao L et al. Echinocystic acid prevents obesity and fatty liver via interacting with FABP1. *Phytother Res.* 2023 Aug

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