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Anti-FABP1 Antibody

Catalog # AP50718

Product Information

Application	WB, IF/IC
Primary Accession	P07148
Reactivity	Human, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	14208

Additional Information

Gene ID	2168
Other Names	FABPL; Fatty acid-binding protein, liver; Fatty acid-binding protein 1; Liver-type fatty acid-binding protein; L-FABP
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human FABP1. The exact sequence is proprietary.
Dilution	WB~~ 1:1000 IF/IC~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

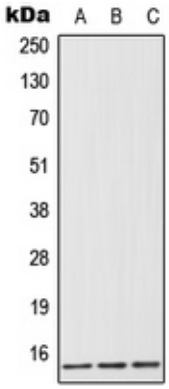
Name	FABP1
Synonyms	FABPL
Function	Plays a role in lipoprotein-mediated cholesterol uptake in hepatocytes (PubMed:25732850). Binds cholesterol (PubMed:25732850). Binds free fatty acids and their coenzyme A derivatives, bilirubin, and some other small molecules in the cytoplasm. May be involved in intracellular lipid transport (By similarity).
Cellular Location	Cytoplasm.

References

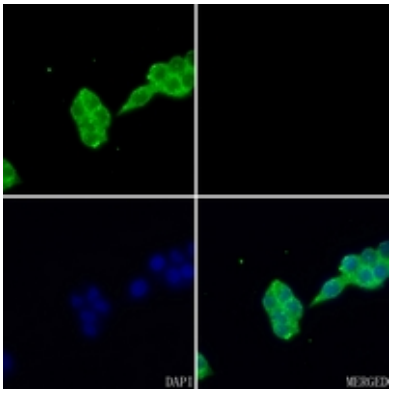
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Xu Y.,et al.J. Am. Chem. Soc. 129:7722-7723(2007).

Images



Western blot analysis of FABP1 expression in HeLa (A), Jurkat (B), rat liver (C) whole cell lysates. (Predicted band size: 14 kD; Observed band size: 14 kD)



Immunofluorescent analysis of FABP1 staining in MCF7 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a hidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

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