

Mouse anti-Human FABP1 Monoclonal Antibody | anti-FABP1 antibody

FABP1 antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA48030	Mouse	Human	Immunofluorescence, Immunocytochemistry, Flow Cytometry, Functional Assay, Immunohistochemistry, Western Blot, ELISA

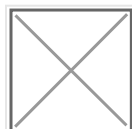
PRODUCT SYNONYMS

FABP1; Monoclonal Antibody; FABP1 antibody; Fatty acid binding protein 1; Fatty acid-binding protein; liver; FABPL; L-FABP; fatty acid binding protein 1 liver; ; anti-FABP1 antibody

PRODUCT SPECIFICATIONS

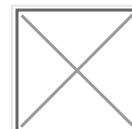
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1, k
Clone Number	2G4
Purity/Purification	By protein-G affinity chromatography
Form/Format	Liquid. In phosphate-buffered saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	127
Applicable Applications for anti-FABP1 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Antigen Species	Human
Immunogen	Recombinant human FABP1 (1-127aa) purified from E. coli
Clone Note	Anti-human FABP1 mAb, clone 2G4, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human FABP1 protein.
Preparation and Storage	Can be stored at 4 degree C. For long term storage, aliquot and store at -20 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



IF (Immunofluorescence)

ICC/IF analysis of FABP1 in Hep3B cells line, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human FABP1 antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green).



IHC (Immunohistochemistry)

Paraffin embedded sections of human colon cancer tissue were incubated with anti-human FABP1 (1:100) for 2 hours at room temperature. Antigen retrieval was performed in 0.1M sodium citrate buffer and detected using Diaminobenzidine (DAB)



WB (Western Blot)

The Recombinant protein (50ng) and Cell lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human FABP1 antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1.: FABP1 Recombinant protein Lane 2.: HepG2 cell lysate Lane 3.: Liver tissues lysate

ADDITIONAL INFORMATION

Related Product Information for anti-FABP1 antibody	FABP1 (Fatty acid binding protein1) encodes the fatty acid binding protein found in liver. FABP1 is composed of ten antiparallelbeta strands that form a barrel with a bigger binding pocket than the other FABPs allowing it to accommodate two fatty acid. This protein binds free fatty acids and their coenzyme A derivatives, bilirubin, and some other small molecules in the cytoplasm; it may be involved in intracellular lipid transport and metabolism.
Product Categories/Family for anti-FABP1 antibody	Enzymes & Proteases
References	Atshaves BP, et al: (2004) Mol Cell Biochem. 259 (1-2), 115-29; Nakamura T, et al: (2005) Diabestes Care. 28 (11), 2728-32

NCBI AND UNIPROT INFORMATION

NCBI GI #	4557577
NCBI GeneID	2168
NCBI Accession #	NP_001434
NCBI GenBank Nucleotide #	NM_001443.2
UniProt Accession #	P07148
Molecular Weight	14,208 Da
NCBI Official Full Name	fatty acid-binding protein, liver
NCBI Official Synonym Full Names	fatty acid binding protein 1
NCBI Official Symbol	FABP1
NCBI Official Synonym Symbols	FABPL; L-FABP
NCBI Protein Information	fatty acid-binding protein, liver
UniProt Protein Name	Fatty acid-binding protein, liver
UniProt Gene Name	FABP1
UniProt Synonym Gene Names	FABPL; L-FABP

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/fabp1-antibody-clone-2g4-immunofluorescence-immunocytochemistry-flow-cytometry-immunohistochemistry-western-blot-elisa/48030>