ARG56964
anti-Liver FABP antibody [2G4]

Package: 50 µl
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [2G4] recognizes Liver FABP
Tested Reactivity	Hu
Tested Application	FACS, ICC/IF, IHC-P, WB
Host	Mouse
Clonality	Monoclonal
Clone	2G4
Isotype	IgG1, kappa
Target Name	Liver FABP
Species	Human
Immunogen	Recombinant fragment around aa. 1-127 of Human Liver FABP.
Conjugation	Un-conjugated
Alternate Names	FABPL; Fatty acid-binding protein, liver; Liver-type fatty acid-binding protein; L-FABP; Fatty acid-binding protein 1

Application Instructions

Application table

Application	Dilution
FACS	Assay-dependent
ICC/IF	1:100
IHC-P	1:100
WB	1:1000 - 1:2000

Application Note

IHC-P: Antigen Retrieval: Boil tissue section in 0.1M Sodium citrate buffer (pH 6.0) for 20 min.
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

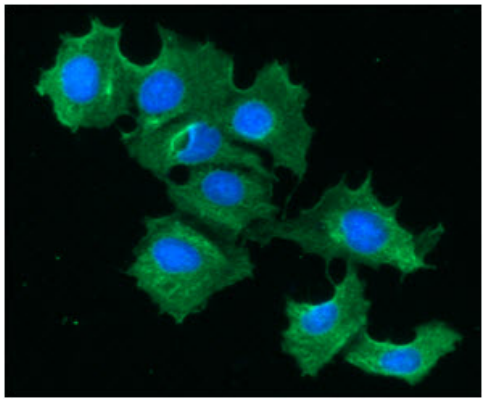
Form	Liquid
Purification	Purification with Protein G.
Buffer	PBS (pH 7.4), 0.02% Sodium azide and 10% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	10% Glycerol
Concentration	1 mg/ml

Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links	GeneID: 2168 Human Swiss-port # P07148 Human
Gene Symbol	FABP1
Gene Full Name	fatty acid binding protein 1, liver
Background	This gene encodes the fatty acid binding protein found in liver. Fatty acid binding proteins are a family of small, highly conserved, cytoplasmic proteins that bind long-chain fatty acids and other hydrophobic ligands. This protein 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. [provided by RefSeq, Mar 2011]
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. [UniProt]
Calculated Mw	14 kDa

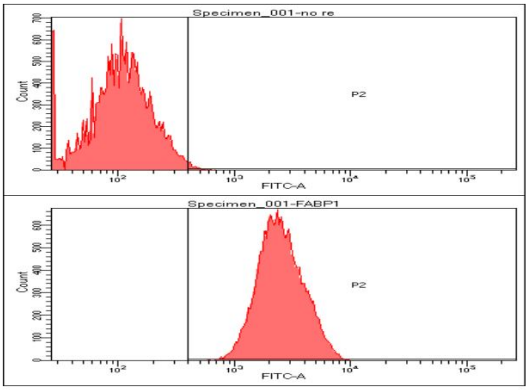
Images



ARG56964 anti-Liver FABP antibody [2G4] ICC/IF image

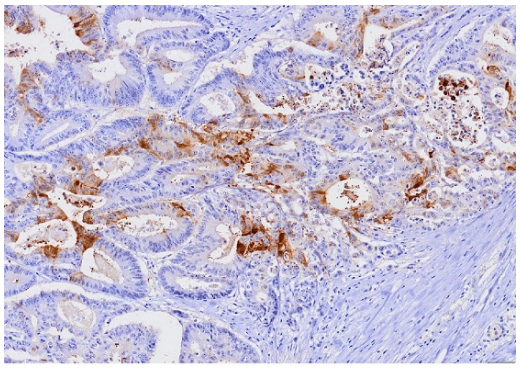
Immunoflorescense: Hep3B cell line stained with ARG56964 anti-Liver FABP antibody [2G4] at 1:100 (Green).

DAPI (Blue) for nucleus staining.



ARG56964 anti-Liver FABP antibody [2G4] FACS image

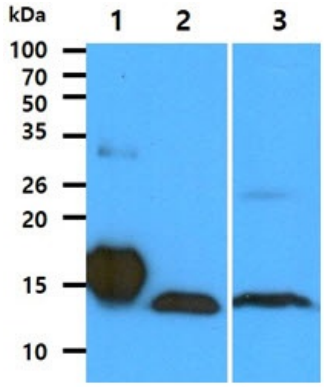
Flow Cytometry: Hep3B cell line stained with ARG56964 anti-Liver FABP antibody [2G4] at 2-5 µg for 1x10^6 cells. Secondary antibody: Goat anti-Mouse IgG Alexa fluor 488 conjugate.



Human colon cancer tissue

ARG56964 anti-Liver FABP antibody [2G4] IHC-P image

Immunohistochemistry: Paraffin embedded sections of Human colon cancer tissue stained with ARG56964 anti-Liver FABP antibody [2G4] at 1:100 for 2 hours at RT. Antigen Retrieval: Boil tissue section in 0.1M Sodium citrate buffer (pH 6.0) for 20 min.



ARG56964 anti-Liver FABP antibody [2G4] WB image

Western blot: 1) 50 ng of FABP1 Recombinant protein, 2) 40 µg of HepG2 cell lysate, 3) 40 µg of Liver tissues lysate stained with ARG56964 anti-Liver FABP antibody [2G4] at 1:1000.