Mouse Monoclonal Antibody to FABP2

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Order Information

Catalog#	20416	
Size/Concentration	100μl	50μl
Price(¥)	2180	1280

Description

The intracellular fatty acid-binding proteins (FABPs) belong to a multigene family with nearly twenty identified members. FABPs are divided into at least three distinct types, namely the hepatic-, intestinal- and cardiac-type. They form 14-15 kDa proteins and are thought to participate in the uptake, intracellular metabolism and/or transport of long-chain fatty acids. They may also be responsible in the modulation of cell growth and proliferation. Intestinal fatty acid-binding protein 2 gene contains four exons and is an abundant cytosolic protein in small intestine epithelial cells. This gene has a polymorphism at codon 54 that identified an alanine-encoding allele and a threonine-encoding allele. Thr-54 protein is associated with increased fat oxidation and insulin resistance. Genetic variation in FABP2 may thus contribute to interindividual variation in the response of plasma lipoproteins to different dietary fibres, but the mechanism does not appear to be related to increases in fecal bile acid secretion.

Specification

Aliases : FABPI; I-FABP; MGC133132; FABP2

Entrez GeneID : 2169

Swissprot : P12104

clone : 9A9B7B3

WB Predicted band size : 15kDa

Host/Isotype : Mouse IgG1

Storage : Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Species Reactivity : Human

Immunogen : Purified recombinant fragment of human FABP2 expressed in E. Coli.

Formulation : Ascitic fluid containing 0.03% sodium azide.

Application

WB	1/500 - 1/2000
IHC	1/200 - 1/1000
ICC	1/200 - 1/1000
FCM	1/200 - 1/400
ELISA	1/10000

References

1. Yamada, K. et al. (1997) Diabetologia. 40(6):706-10
2. Georgopoulos, A. et al. (2000)85(9):3155-60
3. Kim, CH. et al. (2001) Metabolism. 50(4):473-6
4. Fisher, E. et al. (2006) Horm Metab Res. 38(5):341-5

Protocal

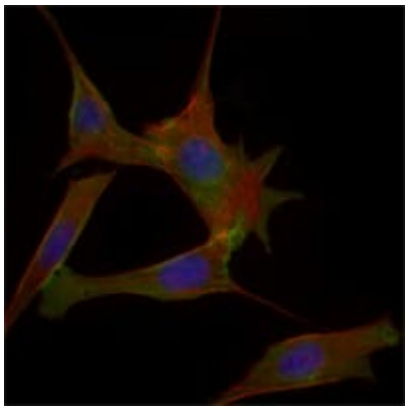
WB - www.promab.com/protocol/wb.html
IHC - www.promab.com/protocol/ihc.html
ICC - www.promab.com/protocol/icc.html
HCM - www.promab.com/protocol/hcm.html

Antigen Sequence is available upon request.

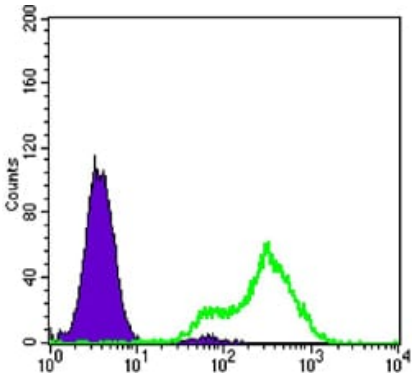
Products and Services

- Mouse Monoclonal Antibody
- Rat Monoclonal Antibody
- Human Antibody
- Hybridoma Sequencing
- Polyclonal Antibody

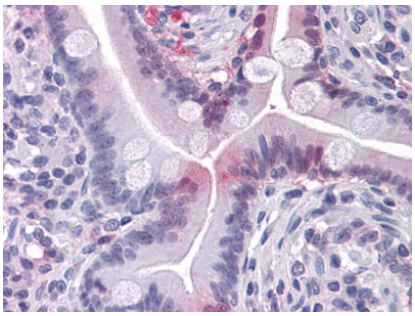
Mouse Monoclonal Antibody to FABP2



Immunofluorescence analysis of 3T3-L1 cells using FABP2 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.



Flow cytometric analysis of LOVO cells using FABP2 mouse mAb (green) and negative control (purple).



Immunohistochemical analysis of paraffin-embedded human Small Intestine tissues using FABP2 mouse mAb

For Research Only

Application Key:WB - Western Blot | **IHC** - Immunohistochemistry | **ICC** - Immunocytochemistry | **FCM** - Flow Cytometry | **ELISA** - Enzyme-linked Immunosorbent Assay | **IP** - Immunoprecipitation

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