FABP2 Mouse Monoclonal Antibody

E10-20416

Background: 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.

Catalog Number: E10-20416

Amount: 100µg/100µl

Clone Number: 9A9B7B3

Species: Mouse IgG1

MW: 15kDa

Aliases: FABPI; I-FABP; MGC133132; FABP2

Entrez Gene: 2169

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

Storage: Store at 4 °C for 1 month. For long term storage, store at -20 °C.

Formulation: Ascitic fluid containing 0.03% sodium azide.

Species Reactivities: Human

Tested Applications: WB,IHC,IF,FC,ELISA. Not yet tested in other applications. Determining optimal working dilutions by titration test.

Application notes: WB 1/500 - 1/2000.IHC.1/200 - 1/1000.IF1/200 - 1/1000.FC1/200 - 1/400.ELISA. Propose dilution 1/10000.

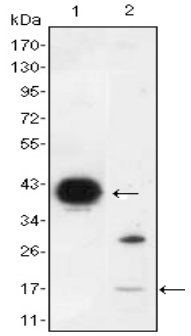

Figure 1. Western blot analysis using FABP2 mouse mAb against FABP2-hIgGFc transfected HEK293 (1) cell lysate and LOVO (2) cell lysate.

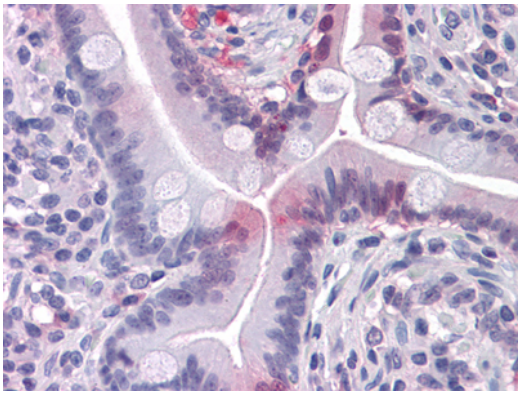

Figure 2. Immunohistochemical analysis of paraffin-embedded human Small Intestine tissues using FABP2 mouse mAb

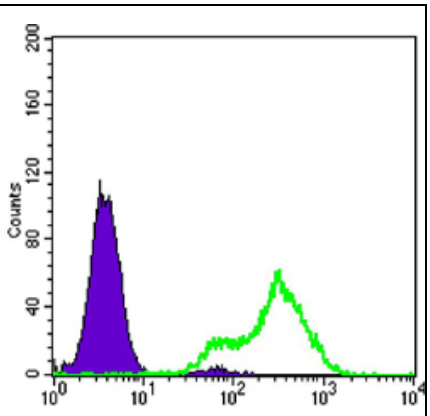

Figure 3. Flow cytometric analysis of LOVO cells using FABP2 mouse mAb (green) and negative control (purple).

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