产品名称：FABP2 Mouse Monoclonal Antibody
产品货号：AMM80791

产品概述（Summary）

产品名称（Production Name）	FABP2 Mouse Monoclonal Antibody
描述（Description）	Mouse monoclonal Antibody
宿主（Host）	Mouse
应用（Application）	WB,IHC,ICC,ELISA,FC
种属反应性（Reactivity）	Human

产品性能（Performance）

偶联物（Conjugation）	Unconjugated
修饰（Modification）	Unmodified
同种型（Isotype）	Mouse IgG1
克隆（Clonality）	Monoclonal
形式（Form）	Liquid
存放说明（Storage）	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液（Buffer）	PBS containing 0.03% sodium azide.
纯化方式（Purification）	Affinity Purification

免疫原信息（Immunogen）

基因名（Gene Name）	FABP2
别名（Alternative Names）	FABPI; I-FABP; MGC133132; FABP2
基因 ID（Gene ID）	2169.0
蛋白 ID（SwissProt ID）	P12104 .Purified recombinant fragment of human FABP2 expressed in E. Coli.

产品应用（Application）

稀释比（Dilution Ratio）	WB 1:500-1:2000,IHC 1:200-1:1000,ICC 1:200-1:1000,ELISA 1:5000-1:20000,FC 1:200-1:400
蛋白分子量（Molecular Weight）	15kDa

研究背景（Background）

The intracellular fatty acid-binding proteins (FABPs) belong to a multigene family with nearly twenty identified members.

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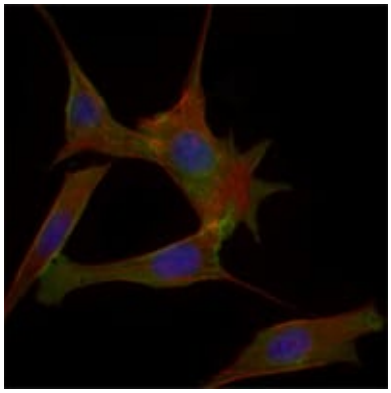
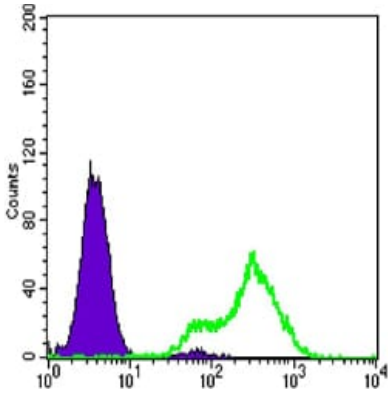
FABPs are divided into at least three distinct types, namely the hepatic-, intestinal- and cardiac-type. They form 14-15 kDa proteins and are thought to participate in the uptake, intracellular metabolism and/or transport of long-chain fatty acids. They may also be responsible in the modulation of cell 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.

研究领域（Research Area）

图片（Image Data）



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).

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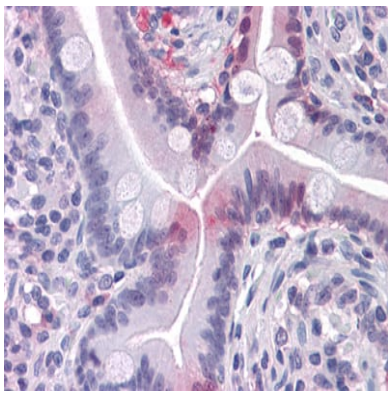

Immunohistochemical analysis of paraffin-embedded human Small Intestine tissues using FABP2 mouse mAb

注意事项（Note）

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