BT LAB
Bioassay Technology Laboratory
Optimize Your Research

I-FABP Monoclonal Antibody

Description

Product type	Primary Antibody
Code	BT-MCA0095
Host	Mouse
Isotype	IgG
Size	50ul, 100ul
Immunogen	Purified recombinant fragment of human I-FABP expressed in E. Coli.
Mol wt	N/A
Species reactivity	Human
Clonality	Monoclonal
Recommended application	WB, IHC-p, IF, ICC, FCM, ELISA
Concentration	1 mg/ml
Full name	Fatty acid-binding protein, intestinal
Synonyms	FABP2; FABPI; Fatty acid-binding protein; intestinal; Fatty acid-binding protein 2; Intestinal-type fatty acid-binding protein; I-FABP

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

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.

Recommended Dilution

FC: 1:200 - 1:400

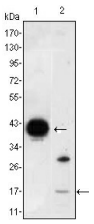
IF: 1:200 - 1:1000

IHC: 1:200 - 1:1000

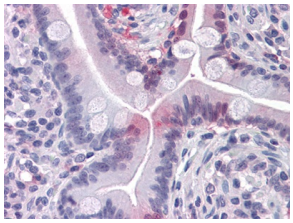
WB: 1:500 - 1:2000

Not yet tested in other applications.

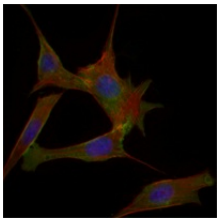
Images



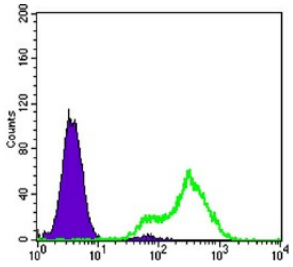
Western Blot analysis using I-FABP Monoclonal antibody against FABP2-hIgGFc transfected HEK293 (1) cell lysate and LOVO (2) cell lysate.



Immunohistochemistry analysis of paraffin-embedded human Small Intestine tissues with AEC staining using I-FABP Monoclonal antibody.



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



Flow cytometric analysis of LOVO cells using I-FABP Monoclonal antibody (green) and negative control (purple).

Storage

-20°C for one year

501 Changsheng S Rd, Nanhu Dist, Jiaxing, Zhejiang, China

Tel: 86 21 31007137 | E-mail: save@bt-laboratory.com | www.bt-laboratory.com