Mouse Monoclonal Antibody to FABP2

Cataloge Number	sAP-0341

Target Molecule

Name: FABP2

Aliases: FABPI; I-FABP; MGC133132; FABP2

MW: 15kDa

Entrez Gene ID: 2169

Descrption

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

Immunogen

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

Recitative Species

Human

Clone

MM9A9B7B3;

Size and Concentration

100µg/1mg/ml

Supplied as

Lyophilized Powder from 100µl of Ascitic fluid containing 0.03% sodium azide.

Reconstitution/Storages

Reconstitued with 100µl sterile DI H2O, at stored at 4°C or -20°C for short or long term storage

Applications

ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000; IHC: 1 to 200 - 1 to 1000; ICC: 1 to 200 - 1 to 1000; FCM: 1 to 200 - 1 to 400

Shipping

Regular FEDEX overnight shipment (ambient temperature)

Reference

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

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for Research Use Only