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Product datasheet for TA503574AM

FABP2 Mouse Monoclonal Antibody (Biotin conjugated) [Clone ID: OTI2C4]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI2C4
Applications:	FC, IHC, WB
Recommended Dilution:	WB 1:2000, IHC 1:150, FLOW 1:100
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human FABP2(NP_000125) produced in HEK293T cell.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	0.5 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Biotin
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	15.1 kDa
Gene Name:	fatty acid binding protein 2
Database Link:	NP_000125 Entrez Gene 2169 Human P12104

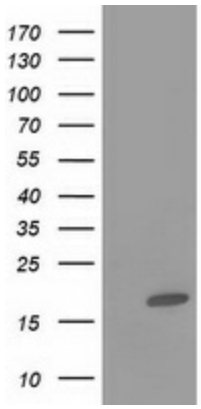
View online »

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. [provided by RefSeq]

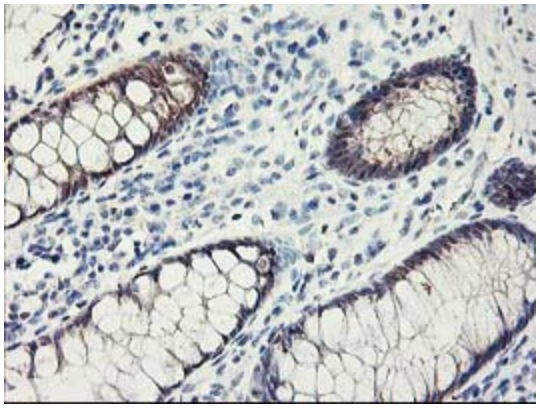
Synonyms: FABPI; I-FABP

Protein Pathways: PPAR signaling pathway

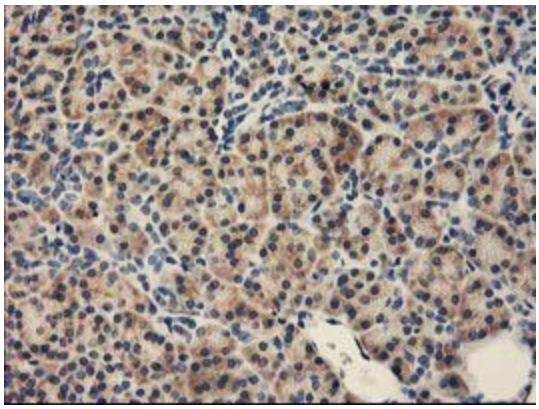
Product images:



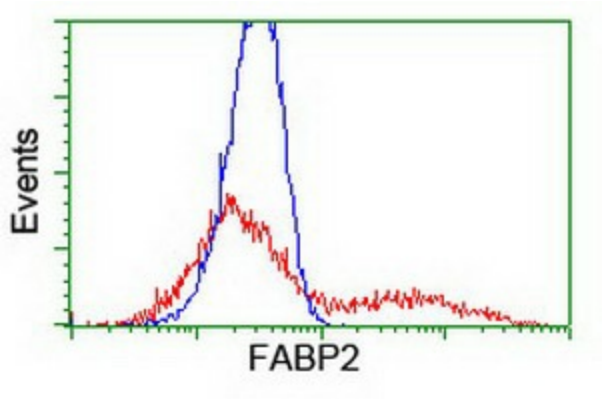
HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY FABP2 (Cat# [RC210206], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-FABP2(Cat# [TA503574]). Positive lysates [LY424906] (100ug) and [LC424906] (20ug) can be purchased separately from OriGene.



Immunohistochemical staining of paraffin-embedded Human colon tissue within the normal limits using anti-FABP2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA503574])



Immunohistochemical staining of paraffin-embedded Human pancreas tissue within the normal limits using anti-FABP2 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA503574])



HEK293T cells transfected with either [RC210206] overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-FABP2 antibody ([TA503574]), and then analyzed by flow cytometry.