

Name: Purified FABP2 mouse monoclonal antibody, clone 2C4

Catalog: TA503574

Product Data Sheet

Gene Name: Homo sapiens fatty acid binding protein 2, intestinal (FABP2)
GeneBank accession: NM_000134
Isotype: IgG2b

Reactivity: Human
Test application: WB
Clone Name: clone 2C4

Gene Synonym: FABPI; I-FABP; MGC133132

Validation Data:

Guaranteed Applications: WB, IHC, FC

Western Blot

Suggested Dilutions: WB 1:2000, IHC 1:150, FLOW 1:100,

Immunogen: Full length human recombinant protein of human FABP2(NP_000125) produced in HEK293T cell.

Components:

- Purified FABP2 mouse monoclonal antibody, clone 2C4 (TA503574)
- 1 vial of 20ug myc-DDK tagged FABP2 HEK293T over-expression lysate lyophilized in RIPA buffer (LY424906) (Reconstitute into 20ul of 1x SDS sample buffer before loading) (Not available for 30ul sample size)

Amount:

TA503574-100 100 uL

Concentration: 0.5~1.0 mg/ml (Lot Dependent)

Storage Condition: Shipped at 4C. Upon delivery store at -20C. Dilute in PBS (pH7.3) before use. Stable for 12 months from date of receipt. Avoid repeated freeze-thaws.

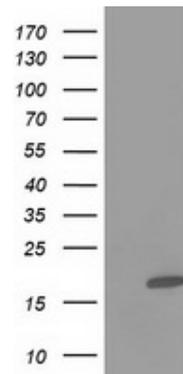
Buffer: PBS (PH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.

Purification:

Purified from mouse ascites fluids by affinity chromatography

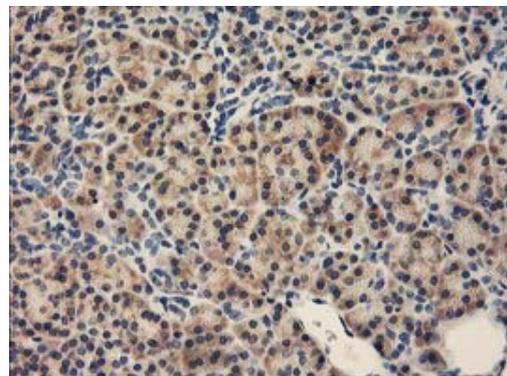
Background:

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].



HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY FABP2 (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.

IHC data



Immunohistochemical staining of paraffin-embedded Human pancreas tissue using anti-FABP2 mouse monoclonal antibody. (TA503574)

Related Product:

TrueORF cDNA clones
 VERIFY Tagged Antigen lysates
 HuSH-29 shRNA
 Western Blot reagents
 Anti-myc/DDK tag antibodies

* Peptide sequence of the DDK-tag (Flag®): N-DYKDDDDK-C Flag® is a registered trademark of Sigma-Aldrich

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.



UK & Rest of World

184 Milton Park, Abingdon
 OX14 4SE, Oxon, UK
 Tel: +44 (0) 1235 828 200
 Fax: +44 (0) 1235 820 482

Switzerland

Centro Nord-Sud 2E
 CH-6934 Bioggio-Lugano
 Tel: +41 (0) 91 604 55 22
 Fax: +41 (0) 91 605 17 85

Deutschland

Bockenheimer Landstr. 17/19
 60325 Frankfurt/Main
 Tel: +49 (0) 69 779099
 Fax: +49 (0) 69 13376880

United States

23591 El Toro Rd, Suite #167
 Lake Forest, CA 92630
 Tel: +1 800 987 0985
 Fax: +1 949 265 7703