Mouse Anti-L-FABP (Liver Fatty Binding Protein) [F9]: MC0200, MC0200RTU7

Intended Use: For Research Use Only

Description: Gonadotropin-releasing Fatty acid-binding proteins, designated FABPs, are a family of homologous cytoplasmic proteins that are expressed in a highly tissue-specific manner and play an integral role in the balance between lipid and carbohydrate metabolism. FABPs mediate fatty acid (FA) and/or hydrophobic ligand uptake, transport and targeting within their respective tissues. The mechanisms underlying these actions can give rise to both passive diffusional uptake and protein-mediated transmembrane transport of FAs. FABPs are expressed in adipocytes (A-FABP), brain (B-FABP), epithelium (E-FABP, psoriasis-associated FABP, PA-FABP), striated muscle and heart (H-FABP, mammary-derived growth inhibitor or MDGI), intestine (I-FABP), liver (L-FABP), myelin (M-FABP) and testis (T-FABP). Liver-specific FABP (L-FABP) expression is modulated by developmental, hormonal, dietary and pharmacological factors, and is required for cholesterol synthesis and metabolism.

Specifications

Clone:	F9
Source:	Mouse
Isotype:	IgG1k
Reactivity:	Human
Immunogen:	Epitope aa 4-37 of human L-FABP N-terminus
Localization:	Cytoplasm
Formulation:	Antibody in PBS pH7.4, containing BSA and ≤ 0.09% sodium azide (NaN3)
Storage:	Store at 2°- 8°C
Applications:	IHC, ELISA, IF, IP, WB

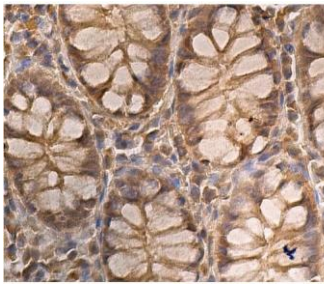
Package:

Description	Catalog No.	Size
L-FABP (Liver Fatty Binding Protein) Concentrated	MC0200	1 ml
L-FABP (Liver Fatty Binding Protein) Prediluted	MC0200RTU7	7 ml

IHC Procedure*

Positive Control Tissue:	Colon
Concentrated Dilution:	50-200
Pretreatment:	Citrate pH6.0 or EDTA pH8.0, 15 minutes using Pressure Cooker, or 30-60 minutes using water bath at 95°-99°C
Incubation Time and Temp:	30-60 minutes @ RT
Detection:	Refer to the detection system manual

* Result should be confirmed by an established diagnostic procedure.



FFPE human colon stained with anti- L-FABP using DAB

References:

1. Changes in FABP1 and gastrin receptor expression in the testes of rats that have undergone electrical injury. Li, XF. et al. Exp Ther Med. 9: 2155-2158, 2015.
2. Susceptibility of L-FABP-/- mice to oxidative stress in early-stage alcoholic liver. Smathers RL, et al. J Lipid Res 54:1335-45, 2013.

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