Datasheet for ABIN7126371

anti-FABP1 antibody (AA 1-127)

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Overview

Quantity:	100 µg
Target:	FABP1
Binding Specificity:	AA 1-127
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This FABP1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunohistochemistry (Formalin-fixed Sections) (IHC (f))

Product Details

Immunogen:	Human recombinant FABP1 protein fragment (around aa1-127) (exact sequence is proprietary)
Isotype:	IgG2b
Specificity:	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 or FABP1), myelin (M-FABP) and testis (T-FABP). FABP1 (L-FABP) expression is

Product Details

	modulated by developmental, hormonal, dietary and pharmacological factors, and is required for cholesterol synthesis and metabolism.
Cross-Reactivity (Details):	Human.
Purification:	1.0mg/ml of Ab purified from Bioreactor by Protein A/G.

Target Details

Target:	FABP1
Alternative Name:	FABP1 (FABP1 Products)
Background:	FABP1, L-FABP,Fatty Acid Binding Protein (Liver) / FABP1 Cellular localisation: Cytoplasm. Nucleus.
Molecular Weight:	14kDa
Gene ID:	2168, 380135
UniProt:	P07148
Pathways:	Chromatin Binding, Regulation of Lipid Metabolism by PPARalpha

Application Details

Application Notes:	Known_Application: Western Blot (2-4 µg/mL), ,Immunohistochemistry (Formalin-fixed) (1-2 µg/mL for 30 minutes at RT),(Staining of formalin-fixed tissues requires heating tissue sections in 10 mM Tris with 1 mM EDTA, pH 9.0, for 45 min at 95 &degC followed by cooling at RT for 20 minutes),Optimal dilution for a specific application should be determined. Positive_Control: Liver or colon carcinoma tissues (IHC). Human kidney tissue lysate (WB).
Restrictions:	For Research Use only

Handling

Concentration:	1.0 mg/mL
Buffer:	Prepared in 10 mM PBS, WITHOUT BSA and Azide.
Preservative:	Azide free
Storage:	-20 °C,-80 °C
Storage Comment:	Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous.

Handling

Expiry Date:	24 months