Datasheet for ABIN7126370

anti-FABP4 antibody (AA 1-132)

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Overview

Quantity:	100 µg
Target:	FABP4
Binding Specificity:	AA 1-132
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This FABP4 antibody is un-conjugated
Application:	Immunohistochemistry (Formalin-fixed Sections) (IHC (f))

Product Details

Immunogen:	Recombinant fragment (around aa1-132) of human FABP4protein (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), epidermis (E-FABP, also designated psoriasis-associated FABP or PA-FABP), muscle and heart (H-FABP, also designated mammary-derived growth inhibitor or MDGI), intestine (I-FABP), liver (L-FABP), myelin (M-FABP) and testis (T-FABP). The human A-

Product Details

	FABP gene is organized into 4 exons, maps to chromosome 8q21.13, and encodes a 132 amino acid protein. A-FABP protein comprises approximately 1 % of the total cytosolic protein in human adipose tissue.
Cross-Reactivity (Details):	Human.
Purification:	1.0mg/ml of Ab purified from Bioreactor by Protein A/G.

Target Details

Target:	FABP4
Alternative Name:	FABP4 (FABP4 Products)
Background:	3T3-L1 lipid-binding protein, 422/aP2, A-FABP, Adipocyte lipid binding protein, Adipocyte protein AP2, Adipocyte-type fatty acid-binding protein, AFABP, ALBP/Ap2, aP2, Epididymis secretory protein Li 104, Fatty acid binding protein 4 adipocyte, HEL S 104, Lbpl, Myelin P2 protein homolog, P15, P2 adipocyte protein, Protein 422,Fatty Acid Binding Protein 4 (FABP4) Cellular localisation: Cytoplasm. Nucleus.
Molecular Weight:	15kDa
Gene ID:	2167, 391561
UniProt:	P15090
Pathways:	Brown Fat Cell Differentiation

Application Details

Application Notes:	Known_Application: 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: Human adipose tissue.
Restrictions:	For Research Use only

Handling

Concentration:	1.0 mg/mL
Buffer:	Prepared in 10 mM PBS, WITHOUT BSA and Azide.
Preservative:	Azide free

Handling

Storage:	-20 °C,-80 °C
Storage Comment:	Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous.
Expiry Date:	24 months