

Datasheet for ABIN7126366
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 FABP4 protein (exact sequence is proprietary)
Isotype:	IgG1
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 °C 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