Datasheet for ABIN7519975

FABP4 Protein (His tag)

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Overview

Quantity:	100 µg
Target:	FABP4
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This FABP4 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Mouse FABP4/A-FABP/ALBP Protein
Sequence:	CDAFVGTWKL VSSENFDDYM KEVGVGFATR KVAGMAKPNM IISVNGDLVT IRSESTFKNT EISFKLGVEF DEITADDRKV KSIITLDGGA LVQVQKWDGK STTIKRKRDG DKLVVECVMK GVTSTRVYER A
Specificity:	Cys2-Ala132
Purity:	> 95 % by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	<0.1EU/µg

Target Details

Target:	FABP4
Alternative Name:	FABP4/A-FABP/ALBP (FABP4 Products)

Target Details

Background:	Description: Fatty acid-binding protein, adipocyte, also known as Adipocyte-type fatty acid-binding protein, Fatty acid-binding protein 4, Adipocyte lipid-binding protein, and FABP4, is a cytoplasm protein which belongs to thecalycin superfamily and Fatty-acid binding protein (FABP) family. In familial combined hyperlipidemia (FCHL), FABP4 correlated to body mass index (BMI), waist circumference and homeostasis model assessment (HOMA) index.FABP4 levels were associated with triglyceride-rich lipoproteins. In humans serum FABP4 levels correlate significantly with features of PCOS. It appears to be a determinant of atherogenic dyslipidemia. FABP4 pathway mediates the sebaceous gland hyperplasia in keratinocyte-specific Pten-null mice. FABP4 concentration significantly increased with an increasing of MS features and was strongly correlated with body-mass index, triglycerides, HDL-cholesterol concentrations and blood pressure. Patients in the highest quartile of FABP4 presented a six-fold increased odds ratio for MS and a three-fold increased odds for LD, adjusted by age, sex, body-mass index and the antiretroviral therapy. FABP4 is a strong plasma marker of metabolic disturbances in HIV-infected patients, and therefore, could serve to guide therapeutic intervention in this group of patients. Name: Ap2,P15,ALBP,Lbpl,AFABP,422/aP2,ALBP/Ap2,FABP4
Gene ID:	11770
UniProt:	P04117
Pathways:	Brown Fat Cell Differentiation

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid votex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1 % BSA, 5 % HSA, 10 % FBS or 5 % Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.
Buffer:	Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.
Storage:	-20 °C,-80 °C
Storage Comment:	Store the lyophilized protein at -20°C to -80°C for long term.|After reconstitution, the protein

solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

