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Datasheet for ABIN1344005
FABP4 Protein (AA 1-132) (His tag)

Overview

Quantity:	50 µg
Target:	FABP4
Protein Characteristics:	AA 1-132
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This FABP4 protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Cross-Reactivity:	Human
Characteristics:	Human FABP4 (aa 1-132) is fused at the C-terminus to a His-tag.
Purity:	>90 % (SDS-PAGE)
Sterility:	0.2 µm filtered
Endotoxin Level:	<1EU/µg purified protein (LAL test, Lonza).

Target Details

Target:	FABP4
Alternative Name:	FABP4 (FABP4 Products)
Background:	FABP4 is a fatty acid binding protein in adipocytes. Fatty acid binding proteins are a family of

Target Details

small, highly conserved, cytoplasmic proteins that bind long-chain fatty acids and other hydrophobic ligands. FABPs regulate the fatty acid uptake, transport, and metabolism. aP2, the mouse form of FABP4, seems to be central to the pathway that links obesity to insulin resistance. aP2 was shown to be an adipokine linking adipocytes to hepatic glucose production and that neutralizing secreted aP2 may represent an effective therapeutic strategy against diabetes.

Molecular Weight: ~16kDa (SDS-PAGE)

UniProt: [P15090](#)

Pathways: [Brown Fat Cell Differentiation](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: Lot specific

Buffer: 0.2µm-filtered solution in 55 mM TRIS-Cl, pH 8.2, containing 200 mM NaCl.

Storage: 4 °C,-20 °C

Storage Comment: Short Term Storage: +4°C
Long Term Storage: -20°C
Working aliquots are stable for up to 3 months when stored at -20°C.

Expiry Date: 3 months