

Datasheet for ABIN5510643

FABP4 ELISA Kit**1** Image[Go to Product page](#)

Overview

Quantity:	96 tests
Target:	FABP4
Binding Specificity:	AA 1-132
Reactivity:	Human
Method Type:	Sandwich ELISA
Application:	ELISA

Product Details

Purpose:	Sandwich High Sensitivity ELISA kit for Quantitative Detection of Human FABP4
Brand:	PicoKine™
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Specificity:	Expression system for standard: E.coli Immunogen sequence: M1-A132
Cross-Reactivity (Details):	There is no detectable cross-reactivity with other relevant proteins.

Target Details

Target:	FABP4
Alternative Name:	FABP4 (FABP4 Products)
Background:	Protein Function: Lipid transport protein in adipocytes. Binds both long chain fatty acids and

Target Details

retinoic acid. Delivers long-chain fatty acids and retinoic acid to their cognate receptors in the nucleus (By similarity). .

Background: FABP4, also known as aP2 (adipocyte Protein 2), encodes the fatty acid binding protein found in adipocytes. The FABP4 gene is mapped to 8q21. FABP4 functions as a cytosolic lipid chaperone in macrophages and is involved in regulating macrophage endoplasmic reticulum (ER) stress. Additionally, FABP4 protein is expressed in HBEs and is strongly upregulated by both IL4 and IL13 and downregulated by IFN-gamma, suggesting a role in allergic airway inflammation.

Synonyms: Fatty acid-binding protein, adipocyte, Adipocyte lipid-binding protein, ALBP, Adipocyte-type fatty acid-binding protein, A-FABP, AFABP, Fatty acid-binding protein 4, FABP4,

Full Gene Name: Fatty acid-binding protein, adipocyte

Cellular Localisation: Cytoplasm. Nucleus. Depending on the nature of the ligand, a conformation change exposes a nuclear localization motif and the protein is transported into the nucleus. Subject to constitutive nuclear export (By similarity)..

UniProt: [P15090](#)

Pathways: [Brown Fat Cell Differentiation](#)

Application Details

Plate: Pre-coated

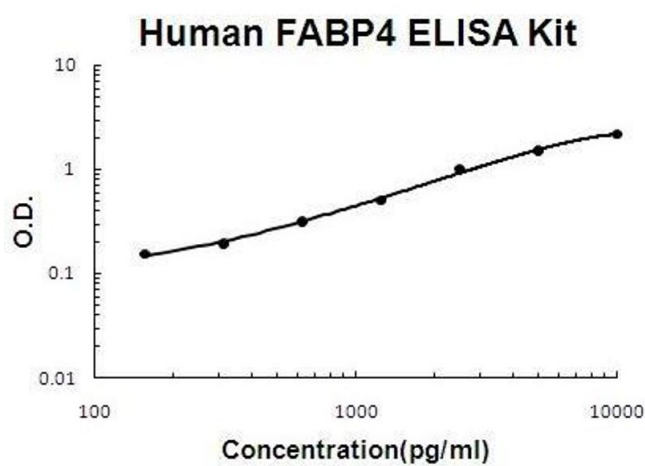
Restrictions: For Research Use only

Handling

Storage: 4 °C, -20 °C

Storage Comment: Store at 4°C for 6 months, at -20°C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)

Expiry Date: 12 months



ELISA

Image 1. Human FABP4 PicoKine ELISA Kit standard curve