



[Go to Product page](#)

Datasheet for ABIN5510730

FABP4 ELISA Kit

1 Image

Overview

Quantity: 96 tests

Target: FABP4

Binding Specificity: AA 1-132

Reactivity: Rat

Method Type: Sandwich ELISA

Application: ELISA

Product Details

Purpose: Sandwich High Sensitivity ELISA kit for Quantitative Detection of Rat 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: [P70623](#)

Pathways: [Brown Fat Cell Differentiation](#)

Application Details

Plate: Pre-coated

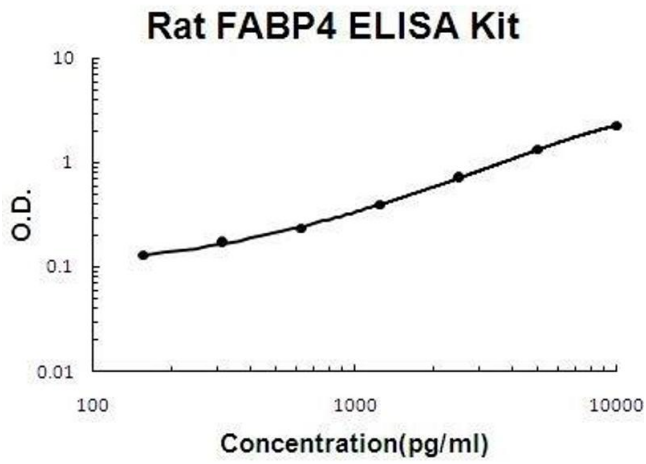
Restrictions: For Research Use only

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. Rat FABP4 PicoKine ELISA Kit standard curve