



Rabbit Anti-FABP4 monoclonal antibody, clone KN21-00 (CABT-L950)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Target	FABP4
Immunogen	Recombinant protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Clone	KN21-00
Purification	Protein A purified.
Conjugate	Unconjugated
Applications	WB, ICC/IF, IHC
Cellular Localization	Cytoplasm. Nucleus.
Positive Control	MCF-7, A549, PMVEC, mouse heart cell lysates, human breast tissue, mouse lung tissue.
Format	Liquid
Size	100 µl
Buffer	1×TBS (pH7.4), 1% BSA, 40% Glycerol.
Preservative	0.05% Sodium Azide
Storage	Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw

BACKGROUND

Introduction

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-FABP gene is organized into 4 exons, maps to chromosome 8q21, and encodes a 132-amino acid protein. A-FABP protein comprises approximately 1% of the total cytosolic protein in human adipose tissue.

Keywords

3T3-L1 lipid-binding protein;422/aP2;A-FABP;adipocyte;Adipocyte lipid binding protein;Adipocyte lipid-binding protein;Adipocyte protein AP2;Adipocyte-type fatty acid-binding protein;AFABP;ALBP;ALBP/Ap2;aP2;Epididymis secretory protein Li 104;FABP;FABP4;FABP4_HUMAN;Fatty acid binding protein 4 adipocyte;Fatty acid binding protein 4;Fatty acid binding protein adipocyte;Fatty acid-binding protein 4;Fatty acid-binding protein;HEL S 104;Lbpl;Myelin P2 protein homolog;P15;P2 adipocyte protein;Protein 422 antibody