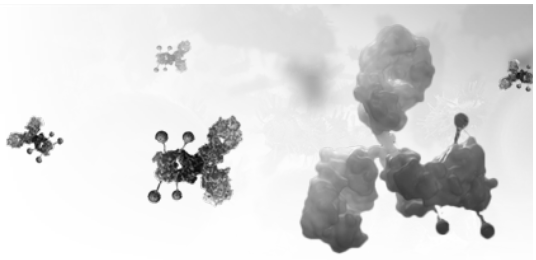

Anti-FABP2 monoclonal antibody, clone 434840 (DCABY-4201)

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

PRODUCT INFORMATION

Antigen Description	Fatty acid binding proteins are small cytoplasmic lipid binding proteins that are expressed in a tissue specific manner. FABPs bind free fatty acids, cholesterol, and retinoids, and are involved in intracellular lipid transport. Circulating FABP levels are used as indicators of tissue damage. Some FABP polymorphisms have been associated with disorders of lipid metabolism and the development of atherosclerosis.FABP2, also known as intestinal fatty acid binding protein (I-FABP or FABPI) and gut FABP (gFABP), is a member of the cytosolic fatty acid binding protein family. FABP2 mediates the absorption and intracellular transport of dietary long-chain fatty acids. Genetic variations of FABP2 are implicated in obesity and Type II diabetes. Human FABP2 shares 78%, 82%, and 86% amino acid sequence identity with mouse, rat, and canine FABP2, respectively.
Specificity	Detectshuman FABP2/I-FABP in ELISAs. In sandwich immunoassays, no cross-reactivity or interference with recombinant human FABP1, 3, 5, 6, 7, 8, 9, recombinant mouse FABP4, 9,or recombinant rat FABP2 is observed.
Immunogen	E. coli-derived recombinant human FABP2/I-FABP. Ala2-Asp132 Accession Number P12104
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	434840
Purification	Protein A or G purified from hybridoma culture supernatant
Conjugate	Unconjugated
Applications	ELISA Capture (Matched Pair)

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221

Format	Liquid
Size	500 µg
Buffer	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose.
Preservative	None
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 °C as supplied. 1 month, 2 to 8 °C under sterile conditions after reconstitution. 6 months, -20 to -70 °C under sterile conditions after reconstitution.

GENE INFORMATION

Gene Name	FABP2 fatty acid binding protein 2, intestinal [Homo sapiens (human)]
Official Symbol	FABP2
Synonyms	FABP2; fatty acid binding protein 2, intestinal; FABPI; I-FABP; fatty acid-binding protein, intestinal; fatty acid-binding protein 2; intestinal-type fatty acid-binding protein;
Entrez Gene ID	2169
Protein Refseq	NP_000125
UniProt ID	P12104
Chromosome Location	4q28-q31
Pathway	Fat digestion and absorption; PPAR signaling pathway;
Function	fatty acid binding; transporter activity;

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