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Datasheet for ABIN7319617 **FABP2 Protein (His tag)**

Overview

Quantity:	50 µg
Target:	FABP2
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This FABP2 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human FABP2/I-FABP Protein (His Tag)
Sequence:	Met1-Asp132
Characteristics:	Recombinant Human FABP2 is produced by our E.coli expression system and the target gene encoding Met1-Asp132 is expressed with a 6His tag at the N-terminus, 6His tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	FABP2
Alternative Name:	FABP2/I-FABP (FABP2 Products)
Background:	Background: Fatty Acid-Binding Protein 2 (FABP2) is a cytoplasm protein that belongs to the Fatty-acid binding protein (FABP) family of calycin superfamily. Fatty acid binding proteins are a

Target Details

family of small, highly conserved, cytoplasmic proteins that bind long-chain fatty acids. FABP2 is expressed in the small intestine and at much lower levels in the large intestine, the highest expression levels in the jejunum. FABP2 binds saturated long-chain fatty acids with a high affinity, but binds with a lower affinity to unsaturated long-chain fatty acids. FABP2 is probably involved in triglyceride-rich lipoprotein synthesis and may also help maintain energy homeostasis by functioning as a lipid sensor.

Synonym: Fatty Acid-Binding Protein Intestinal, Fatty Acid-Binding Protein 2, Intestinal-Type Fatty Acid-Binding Protein, I-FABP, FABP2, FABPI

Molecular Weight: 18.44 kDa

UniProt: [P12104](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.

Storage: 4 °C, -20 °C, -80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.