Datasheet for ABIN2566552

FABP2 Protein (His tag)

Go to Product page

Overview

Quantity:	0.2 mg
Target:	FABP2
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This FABP2 protein is labelled with His tag.
Application:	Western Blotting (WB)

Product Details

Characteristics:	The binding affinity of Recombinant Human FABP2/I-FABP for the synthetic ligand cis-parinaric acid has been measured by fluorescence titration. Half-maximal fluorescence of 3 μM Recombinant Human FABP2/I-FABP is achieved with approximately 3 μM cis-paranaric acid.
Purity:	>98 % as determined by SDS-PAGE.

Target Details

Target:	FABP2
Alternative Name:	FABP 2 (FABP2 Products)
Background:	Fatty acid-binding protein 2 (FABP2), is also known as Fatty acid-binding protein, intestinal (FABPI), Intestinal-type fatty acid-binding protein (I-FABP). FABP2 belongs to the calycin superfamily and Fatty-acid binding protein (FABP) family. FABP2 / FABPI is expressed in the

Target Details

	small intestine and at much lower levels in the large intestine and is highest expressed in the jejunum. FABP are thought to play a role in the intracellular transport of long-chain fatty acids and their acyl-CoA esters. FABP2 is probably involved in triglyceride-rich lipoprotein synthesis. FABP2 binds saturated long-chain fatty acids with a high affinity, but binds with a lower affinity to unsaturated long-chain fatty acids. FABP2 may also help maintain energy homeostasis by functioning as a lipid sensor.
Molecular Weight:	16 kDa
Gene ID:	2169
NCBI Accession:	NP_000125
UniProt:	P12104

Application Details

Application Notes:	This recombinant protein can be used for WB. For research use only.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Buffer:	PBS, pH 7.4
Storage:	-80 °C,-20 °C
Storage Comment:	Lyophilized Protein should be stored at -20°C or lower for long term storage. Upon reconstitution, working aliquots should be stored at -20°C or -70°C. Avoid repeated freeze-thaw cycles.