Datasheet for ABIN7317355

FABP5 Protein

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Overview

Quantity:	100 µg
Target:	FABP5
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant

Product Details

Purpose:	Recombinant Human FABP5 Protein
Sequence:	Met 1-Glu 135
Characteristics:	A DNA sequence encoding the human FABP5 (Q01469) (Met 1-Glu 135) was expressed and purified.
Purity:	> 92 % as determined by reducing SDS-PAGE.

Target Details

Target:	FABP5
Alternative Name:	FABP5 (FABP5 Products)
Background:	Background: Fatty acid-binding protein; also known as Epidermal-type fatty acid-binding protein; Fatty acid-binding protein 5; Psoriasis-associated fatty acid-binding protein homolog; E-FABP and FABP5; is a cytoplasm protein which Belongs to the calycin superfamily and Fatty-acid binding protein (FABP) family. Fatty acid-binding proteins (FABPs) are postulated to serve as lipid shuttles that solubilize hydrophobic fatty acids and deliver them to appropriate intracellular

Target Details

	sites. E-FABP / FABP5 is predominantly expressed in keratinocytes and is overexpressed in the actively proliferating tissue characteristic of psoriasis and wound healing. E-FABP / FABP5 exhibits an important role in binding free fatty acids; as well as regulating lipid metabolism and transport. E-FABP / FABP5 has high specificity for fatty acids. It has highest affinity for C18 chain length. Decreasing the chain length or introducing double bonds reduces the affinity of FABP5. E-FABP / FABP5 may be involved in keratinocyte differentiation. Synonym: Fatty Acid-Binding Protein Epidermal; Epidermal-Type Fatty Acid-Binding Protein; E-FABP; Fatty Acid-Binding Protein 5; Psoriasis-Associated Fatty Acid-Binding Protein Homolog; PA-FABP; FABP5
Molecular Weight:	15.2 kDa
UniProt:	Q01469

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from sterile 50 mM Tris, pH 8.0
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.