Datasheet for ABIN2192186

anti-FABP2 antibody

2 Publications

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Overview

Quantity:	100 µg
Target:	FABP2
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunoassay (IA)

Product Details

Isotype:	IgG
Cross-Reactivity (Details):	Cross reactivity: Rat I-FABP : Yes, Mouse I-FABP : Yes, Sheep I-FABP : Yes, Swine I-FABP : Yes
Sterility:	0.2 µm filtered

Target Details

Target:	FABP2
Alternative Name:	Intestinal Fatty Acid Binding Protein (FABP2 Products)
Background:	The polyclonal antibody recognizes human intestinal fatty acid binding protein (I-FABP) of both natural and recombinant origin. The I-FABP protein is derived from the human FABP2 gene. FABPs are small intracellular proteins (~13-14 kDa) with a high degree of tissue specificity that bind long chain fatty acids. They are abundantly present in various cell types and play an important role in the intracellular utilization of fatty acids, transport and metabolism. There are at least nine distinct types of FABP, each showing a specific pattern of tissue expression. Due

Target Details

	to its small size, FABP leaks rapidly out of ischemically damaged necrotic cells leading to a rise in serum levels. Ischemically damaged tissues are characterized histologically by absence (or low presence) of FABP facilitating recognition of such areas. I-FABP is localized in the small bowel epithelium, with highest expression level in the jejunum. Aliases FABP2, FABPI

Application Details

Application Notes:	For Immuno assay and Western blotting, dilutions to be used depend on detection system applied. It is recommended that users test the reagent and determine their own optimal dilutions. The typical starting working dilution is 1:50.
Restrictions:	For Research Use only

Handling

Buffer:	PBS, containing 0.1 % bovine serum albumin and 0.02 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C
Storage Comment:	Product should be stored at 4 °C. Under recommended storage conditions, product is stable for one year.
Expiry Date:	12 months

Publications

Product cited in:	Kanda, Fujii, Tani, Murakami, Suda, Sakai, Ono, Hatakeyama: "Intestinal fatty acid-binding protein is a useful diagnostic marker for mesenteric infarction in humans." in: **Gastroenterology** , Vol. 110, Issue 2, pp. 339-43, (1996) (PubMed). Morrissey, Gollin, Marks: "Small bowel allograft rejection detected by serum intestinal fatty acid-binding protein is reversible." in: **Transplantation**, Vol. 61, Issue 10, pp. 1451-5, (1996) (PubMed).