



[Go to Product page](#)

Datasheet for ABIN969124

## anti-FABP2 antibody

4 Images

3 Publications

### Overview

Quantity:	100 µL
Target:	FABP2
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunocytochemistry (ICC), Flow Cytometry (FACS)

### Product Details

Immunogen:	Purified recombinant fragment of human FABP2 expressed in E. coli.
Clone:	9A9B7B3
Isotype:	IgG1
Purification:	purified

### Target Details

Target:	FABP2
Alternative Name:	FABP2 ( <a href="#">FABP2 Products</a> )
Background:	Description: The intracellular fatty acid-binding proteins (FABPs) belong to a multigene family with nearly twenty identified members. FABPs are divided into at least three distinct types, namely the hepatic-, intestinal- and cardiac-type. They form 14-15 kDa proteins and are thought to participate in the uptake, intracellular metabolism and/or transport of long-chain fatty acids.

## Target Details

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They may also be responsible in the modulation of cell growth and proliferation. Intestinal fatty acid-binding protein 2 gene contains four exons and is an abundant cytosolic protein in small intestine epithelial cells. This gene has a polymorphism at codon 54 that identified an alanine-encoding allele and a threonine-encoding allele. Thr-54 protein is associated with increased fat oxidation and insulin resistance. Genetic variation in FABP2 may thus contribute to interindividual variation in the response of plasma lipoproteins to different dietary fibres, but the mechanism does not appear to be related to increases in fecal bile acid secretion.

Aliases: FABPI, I-FABP, MGC133132, FABP2

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Molecular Weight:	15 kDa
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Gene ID:	2169
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HGNC:	2169
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## Application Details

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Application Notes:	ELISA: 1:10000, WB: 1:500 - 1:2000, IHC: 1:200 - 1:1000, ICC: 1:200 - 1:1000, FCM: 1:200 - 1:400
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Restrictions:	For Research Use only
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## Handling

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Format:	Liquid
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Buffer:	Ascitic fluid containing 0.03 % sodium azide.
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Preservative:	Sodium azide
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Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
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Storage:	4 °C/-20 °C
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Storage Comment:	4°C, -20°C for long term storage
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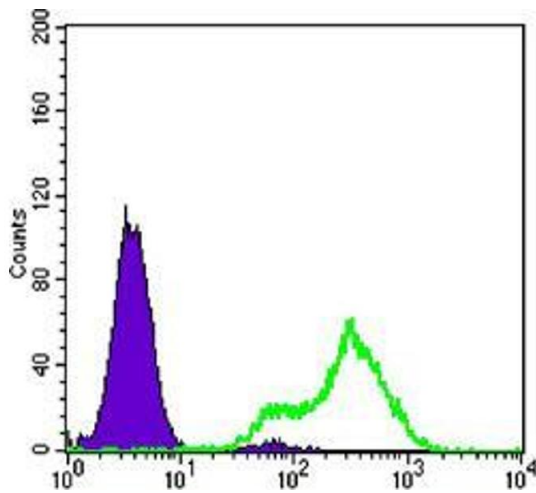
## Publications

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Product cited in:	Toka, Dunaway, Smaltz, Szulc-Dąbrowska, Drnevich, Mielcarska, Bossowska-Nowicka, Schweizer: "Bacterial and viral pathogen-associated molecular patterns induce divergent early transcriptomic landscapes in a bovine macrophage cell line." in: <b>BMC genomics</b> , Vol. 20, Issue 1, pp. 15, (2019) ( <a href="#">PubMed</a> ).
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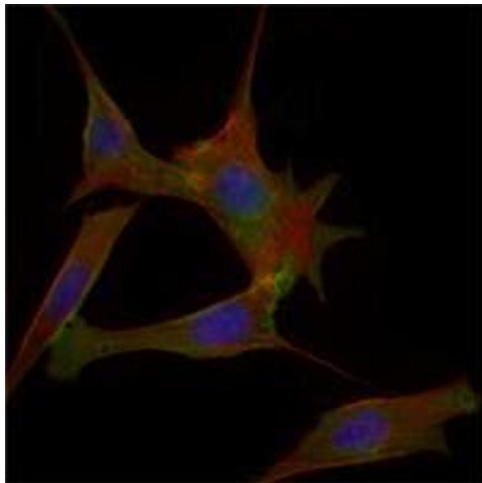
Murakami, Maeda, Yonezawa, Matsuki: "CC chemokine ligand 2 and CXC chemokine ligand 8 as neutrophil chemoattractant factors in canine idiopathic polyarthritis." in: **Veterinary immunology and immunopathology**, Vol. 182, pp. 52-58, (2016) ([PubMed](#)).

Images



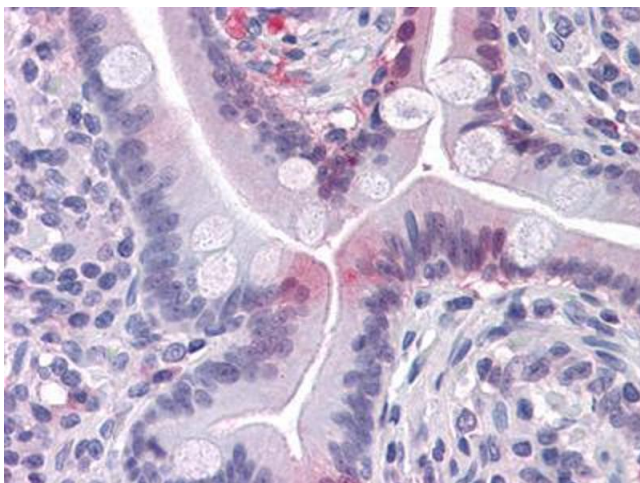
**Flow Cytometry**

**Image 1.** Flow cytometric analysis of LOVO cells using FABP2 mouse mAb (green) and negative control (purple).



**Immunofluorescence**

**Image 2.** Immunofluorescence analysis of 3T3-L1 cells using FABP2 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.



**Immunohistochemistry**

**Image 3.** Immunohistochemical analysis of paraffin-embedded human Small Intestine tissues using FABP2 mouse mAb

## Images

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Please check the [product details page](#) for more images. Overall 4 images are available for ABIN969124.