



## Product Information Sheet

### Polyclonal Anti- Fatty acid binding protein 1, **FABP1**

**Catalogue No.** PA1229

**Lot No.** 09D01

**Ig type** rabbit IgG

**Size** 100µg/vial

**Specificity**

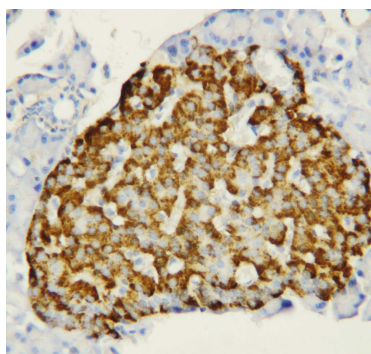
Human, rat, mouse

No cross reactivity with other proteins.

**Recommended application**

*Western blot*

*Immunohistochemistry(P)*



**Immunogen**

A synthetic peptide corresponding to a sequence at the N-terminal of human FABP1, different to the related rat sequence by two amino acids.

**Purity**

Immunogen affinity purified.

**Application**

	Concentration	Tested Species	Concluded Species	Antigen Retrieval
WB	1µg/ml	Rat	Ms	-
IHC-P	2µg/ml	Hu, Rat	Ms	By Heat
IHC-F	-	-	-	-
ICC	-	-	-	-

*Other applications have not been tested.*

*Optimal dilutions should be determined by end user.*

**Contents**

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na<sub>2</sub>HPO<sub>4</sub>, 0.05mg Thimerosal, 0.05mg NaN<sub>3</sub>.

**Reconstitution**

0.2ml of distilled water will yield a concentration of 500µg/ml.

**Storage**

At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for longer time.

To reorder contact us at:

**Antagene, Inc.**

**Toll Free: 1(866)964-2589**

**email: Info@antageneinc.com**

**FOR RESEARCH USE ONLY. NOT FOR DIAGNOSTIC AND CLINICAL USE.**

## BACKGROUND

Fatty acid binding protein 1, liver, also known as FABP1 or FABPL, is a human gene locating at 2p11.<sup>1</sup> FABP1 encodes the fatty acid binding protein found in liver. Fatty acid binding proteins are a family of small, highly conserved, cytoplasmic proteins that bind free fatty acids, their CoA derivatives, bilirubin, organic anions, and other small molecules. FABP1 and FABP6 (the ileal fatty acid binding protein) are also able to bind bile acids. It is thought that FABPs roles include fatty acid uptake, transport, and metabolism. The liver form of FABP may be identical to the major liver protein-1 (Lvp-1), which is encoded by a gene situated within 1 cM of Ly-2.<sup>2</sup>

## REFERENCE

1. Sparkes, R. S.; Mohandas, T.; Heinzmann, C.; Gordon, J. I.; Klisak, I.; Zollman, S.; Sweetser, D. A.; Ragunathan, L.; Winokur, S.; Lusi, A. J. : Human fatty acid binding protein assignments: intestinal to 4q28-4q31 and liver to 2p11. (Abstract) *Cytogenet. Cell Genet.* 46: 697 only, 1987.
2. Sweetser, D. A.; Birkenmeier, E. H.; Klisak, I. J.; Zollman, S.; Sparkes, R. S.; Mohandas, T.; Lusi, A. J.; Gordon, J. I. : The human and rodent intestinal fatty acid binding protein genes: a comparative analysis of their structure, expression, and linkage relationships. *J. Biol. Chem.* 262: 16060-16071, 1987.