



Rabbit Anti-intestinal FABP antibody

SL0898R

Product Name:	intestinal FABP
Chinese Name:	小肠型脂肪酸Binding protein抗体
Alias:	FABP 2; FABP2; FABPI; Fatty acid binding protein 2 intestinal; Fatty acid binding protein intestinal; Fatty acid-binding protein; I-FABP; I FABP; IFABP; Intestinal fatty acid binding protein 2; MGC133132; FABPI_HUMAN; Fatty acid binding protein intestinal; Fatty acid-binding protein 2; Fatty acid-binding protein; Intestinal fatty acid binding protein 2; Intestinal-type fatty acid-binding protein; OTTHUMP00000163925.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	28kDa
Cellular localization:	cytoplasmicThe cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human IFABP:31-132/132
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	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. 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 (By similarity). [Subcellular Location] Cytoplasm (By similarity). [Similarity] Belongs to the calycin superfamily. Fatty-acid binding protein (FABP) family.

Function:

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. 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.

Subcellular Location:

Cytoplasm.

Tissue Specificity:

Expressed in the small intestine and at much lower levels in the large intestine. Highest expression levels in the jejunum.

Similarity:

Belongs to the calycin superfamily. Fatty-acid binding protein (FABP) family.

SWISS:

P12104

Gene ID:

2169

Database links:

[Entrez Gene: 2169](#) Human

[Entrez Gene: 14079](#) Mouse

[Entrez Gene: 25598](#) Rat

[Omim: 134640](#) Human

[SwissProt: P12104](#) Human

[SwissProt: P55050](#) Mouse

[SwissProt: Q53YP5](#) Mouse

[SwissProt: P02693](#) Rat

[Unigene: 282265](#) Human

[Unigene: 28398](#) Mouse

[Unigene: 91358](#) Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

小肠脂肪酸Binding

protein(IFABP)主要是在小肠分泌的一种蛋白质,参与了脂肪酸的吸收和代谢。IFABP有可能通过干扰脂肪酸代谢而影响胰岛素敏感性。

IFABP主要用于2型Diabetes相关性的研究。

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