



Rabbit Anti-intestinal FABP antibody

SL0788R

Product Name:	intestinal FABP
Chinese Name:	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; IFABP; Intestinal fatty acid binding protein 2; MGC133132; FABPI HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Dog,Pig,Rabbit,
Applications:	WB=1:500-2000ELISA=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:	15kDa
Cellular localization:	cytoplasmicThe cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from IFABP:45-132/132
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:	Intestinal FABP is an intestinal marker. It is expressed in the small intestine. Expression in the mucosal cells of the ileum extends from the midvillar region to the villus tips. It is thought to play a role in the intracellular transport of long chain fatty acids and their acyl CoA esters and may be involved in triglyceride rich lipoprotein synthesis.

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: P02693](#)Rat

[Unigene: 282265](#)Human

[Unigene: 28398](#)Mouse

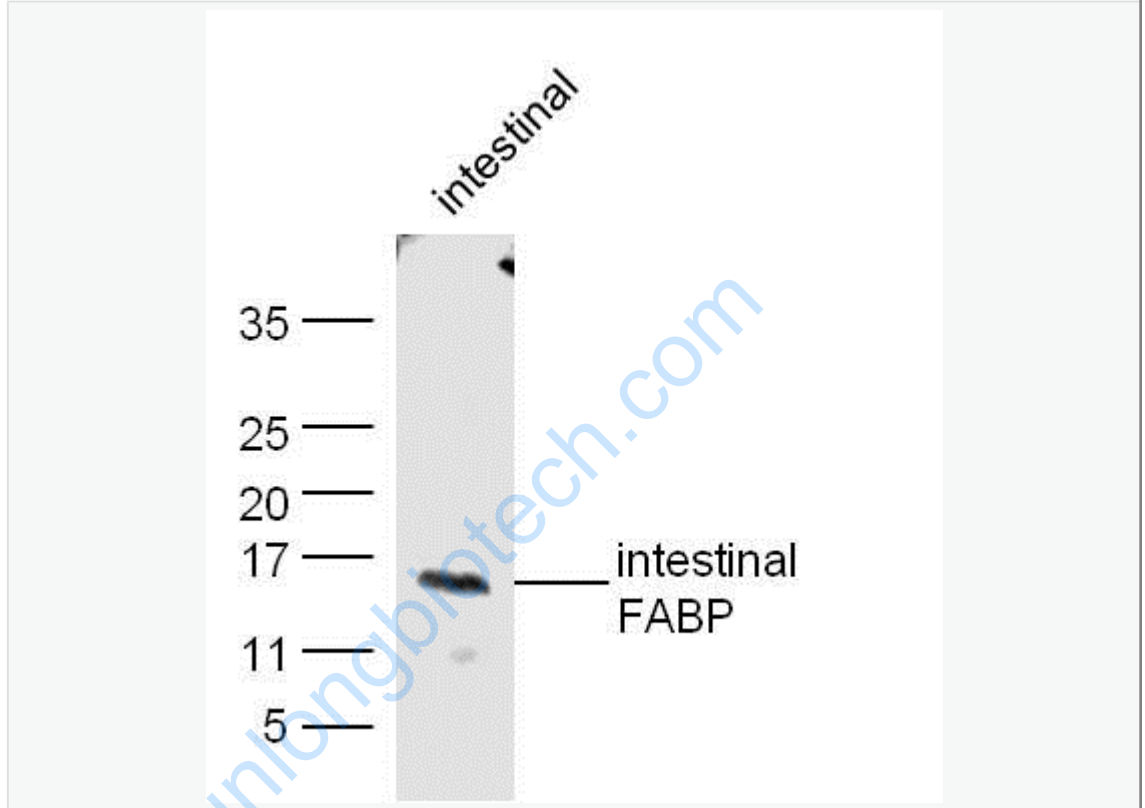
[Unigene: 91358](#)Rat

Important Note:

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

Fabp2脂肪酸Binding protein-2,参与脂肪酸代谢、运输、消化, 该蛋白的异常增高使人的The new supersedes the old功能异常, 影响人体消耗摄入的糖分, 从而导致引发Diabetes的发生。FABP2多态性可能与2型Diabetes合并冠心病的胰岛素抵抗相关联。

Picture:



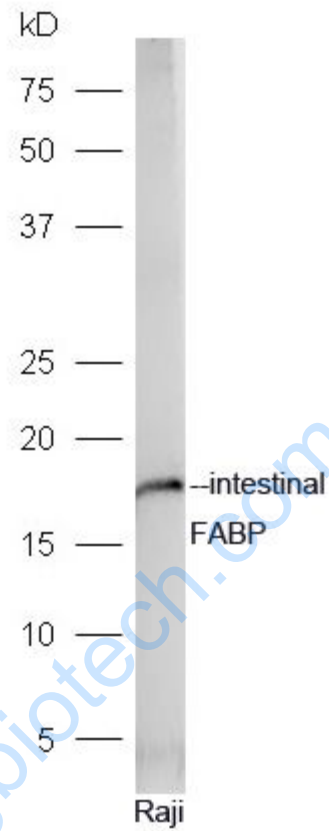
Sample: Intestinal(Mouse) Lysate at 30ug;

Primary: Anti-intestinal FABP (SL0788R) at 1:300 dilution;

Secondary: HRP conjugated Goat-Anti-rabbit IgG(SL0788R) at 1: 5000 dilution;

Predicted band size: 15 kD

Observed band size: 17 kD



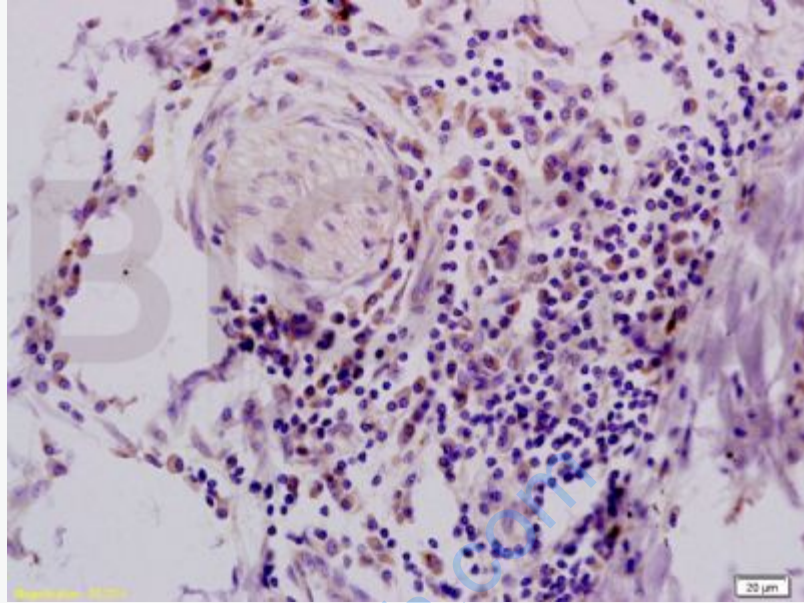
Sample: Raji Cell Lysate at 30ug;

Primary: Anti-intestinal FABP (SL0788R) at 1:300 dilution;

Secondary: HRP conjugated Goat-Anti-rabbit IgG(SL0788R) at 1: 5000 dilution;

Predicted band size: 15 kD

Observed band size: 17 kD



Tissue/cell: human colon carcinoma tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;

Incubation: Anti-IFABP Polyclonal Antibody, Unconjugated(SL0788R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining