

For Research Use Only

FABP2 Monoclonal antibody

Catalog Number: 67691-1-Ig

Featured Product

3 Publications



Basic Information

Catalog Number:

67691-1-Ig

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG17620

GenBank Accession Number:

BC069617

GeneID (NCBI):

2169

UNIPROT ID:

P12104

Full Name:

fatty acid binding protein 2, intestinal

Calculated MW:

132 aa, 15 kDa

Observed MW:

15 kDa

Purification Method:

Protein G purification

CloneNo.:

2D11G6

Recommended Dilutions:

WB: 1:2000-1:50000

IHC: 1:2000-1:8000

IF-P: 1:200-1:800

Applications

Tested Applications:

WB, IHC, IF-P, ELISA

Cited Applications:

WB, IF

Species Specificity:

human, mouse, rat, pig, rabbit

Cited Species:

mouse

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB: rat small intestine tissue, human jejunum tissue, COLO 320 cells, pig duodenum, mouse small intestine, rabbit small intestine

IHC: mouse small intestine tissue, mouse colon tissue, rat small intestine tissue, human small intestine tissue

IF-P: mouse colon tissue,

Background Information

FABP2, also known as the intestinal fatty acid binding protein (I-FABP), is expressed in the absorptive intestinal villus cells. It is mainly involved in intracellular transport and intestinal absorption of lipids. FABP2 has been considered a marker of mucosal injury and ischemia and serum I-FABP level is used as a tissue damage indicator. In addition, it is a marker of differentiated intestinal epithelial cells.

Notable Publications

Author	Pubmed ID	Journal	Application
Xingyu Lu	40016914	Cell Biochem Funct	WB
Li-Long Pan	39648298	Gut Microbes	IF
Yunzhe Su	38003599	Int J Mol Sci	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

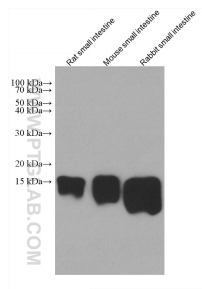
T: 4006900926

E: Proteintech-CN@ptglab.com

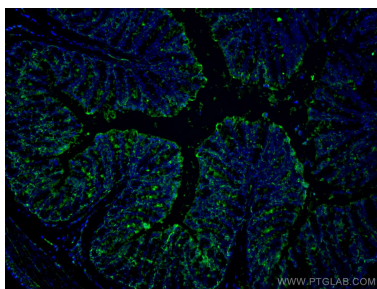
W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

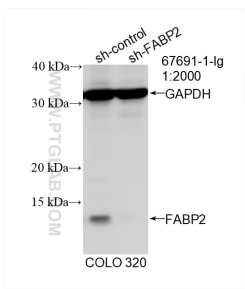
Selected Validation Data



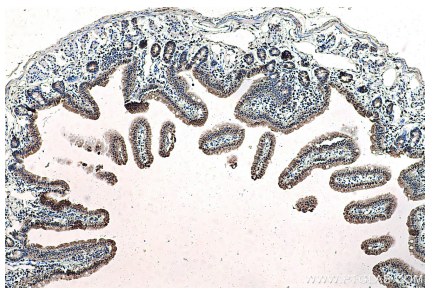
Various lysates were subjected to SDS PAGE followed by western blot with 67691-1-Ig (FABP2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



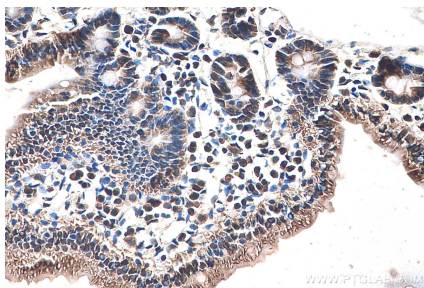
Immunofluorescent analysis of (4% PFA) fixed mouse colon tissue using FABP2 antibody (67691-1-Ig, Clone: 2D11G6) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



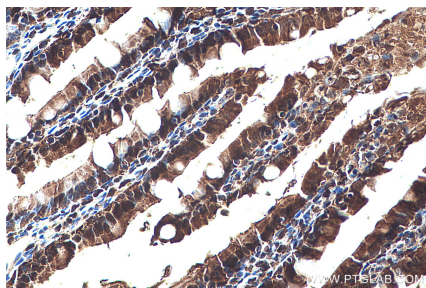
WB result of FABP2 antibody (67691-1-Ig; 1:2000; incubated at room temperature for 1.5 hours) with sh-Control and sh-FABP2 transfected COLO 320 cells.



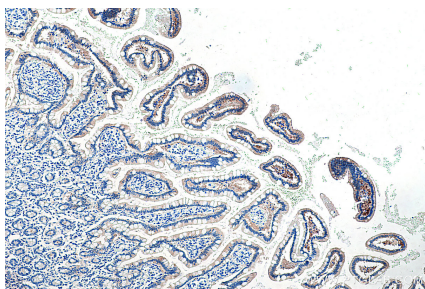
Immunohistochemical analysis of paraffin-embedded mouse small intestine tissue slide using 67691-1-Ig (FABP2 antibody) at dilution of 1:4000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



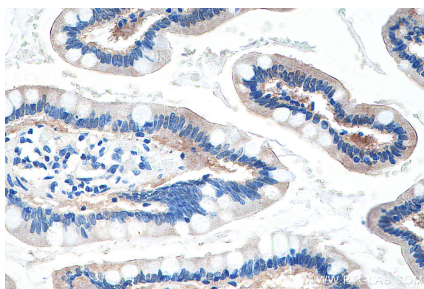
Immunohistochemical analysis of paraffin-embedded mouse small intestine tissue slide using 67691-1-Ig (FABP2 antibody) at dilution of 1:4000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded rat small intestine tissue slide using 67691-1-Ig (FABP2 antibody) at dilution of 1:8000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human small intestine tissue slide using 67691-1-Ig (FABP2 antibody) at dilution of 1:8000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human small intestine tissue slide using 67691-1-Ig (FABP2 antibody) at dilution of 1:8000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).