For Research Use Only

FABP2 Monoclonal antibody

Catalog Number:67691-1-Ig Featured Product 2 Publications

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Basic Information

Catalog Number:
67691-1-Ig

Concentration:
1200 ug/ml

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

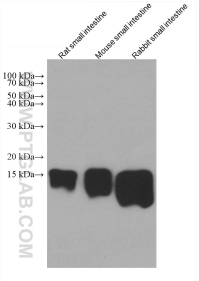
Author	Pubmed ID	Journal	Application
Li-Long Pan	39648298	Gut Microbes	IF
Yunzhe Su	38003599	Int J Mol Sci	WB

Storage

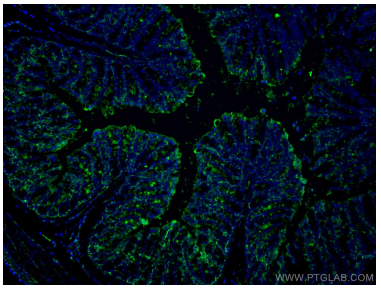
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

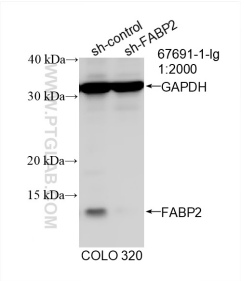
Selected Validation Data



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.

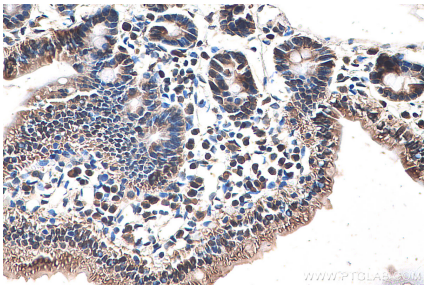


Immunofluorescent analysis of (4% PFA) fixed mouse colon tissue using FABP2 antibody (67691-1-Ig, Clone: 2D11G6) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).

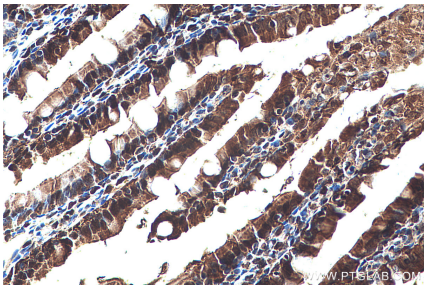


WB result of FABP2 antibody (67691-1-Ig; 1:2000; incubated at room temperature for 1.5 hours) with sh-Control and sh-FABP2 transfected COLO 320 cells.

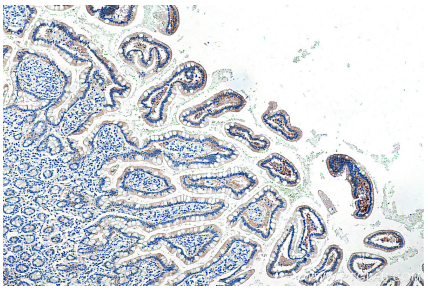
Immunohistochemical analysis of paraffin-embedded mouse small intestine tissue slide using 67691-1-Ig (FABP2 antibody) at dilution of 1:4000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



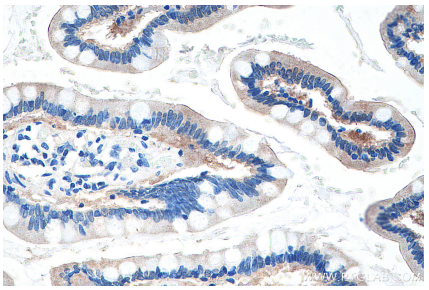
Immunohistochemical analysis of paraffin-embedded mouse small intestine tissue slide using 67691-1-Ig (FABP2 antibody) at dilution of 1:4000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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).