

For Research Use Only

FABP6 Polyclonal antibody

Catalog Number: 13781-1-AP

Featured Product

6 Publications



Basic Information

Catalog Number:

13781-1-AP

Size:

150ul, Concentration: 600 ug/ml by Nanodrop and 333 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG4788

GenBank Accession Number:

BC022489

GeneID (NCBI):

2172

UNIPROT ID:

P51161

Full Name:

fatty acid binding protein 6, ileal

Calculated MW:

177 aa, 20 kDa

Observed MW:

14 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:200-1:1000

IHC 1:500-1:2000

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human, mouse

Cited Species:

human, 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 : mouse small intestine tissue, HepG2 cells

IHC : human small intestine tissue, mouse small intestine tissue

Background Information

Fatty acid binding protein 6 (FABP6, also known as the ileal bile acid binding protein IBABP) is regarded as a bile acid binding protein found in the distal portion of the small intestine and may be important in maintaining bile acid homeostasis (PMID: 25754072). FABP6 is reportedly up-regulated in colorectal cancer, it has been suggested as a link between bile acids and the risk of colorectal cancer (PMID: 17909007). And also, it was showed a potential drug target for the treatment of diabetes (PMID: 27500412). There are 2 isoforms of this protein, one of which is about 14 kDa we detected.

Notable Publications

Author	Pubmed ID	Journal	Application
Mingming Song	34653936	Biomaterials	WB
Yalong Wang	31753849	J Exp Med	IF
Jinxin Liu	34286573	J Agric Food Chem	WB

Storage

Storage:

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

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

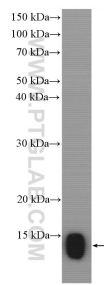
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

E: proteintech@ptglab.com
W: ptglab.com

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

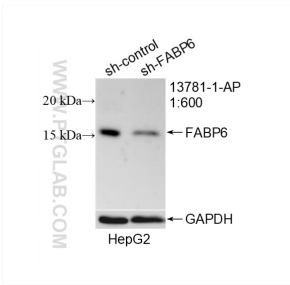
Selected Validation Data



mouse small intestine tissue were subjected to SDS PAGE followed by western blot with 13781-1-AP (FABP6 antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



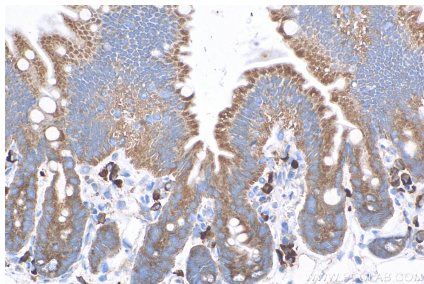
Immunohistochemical analysis of paraffin-embedded human small intestine tissue slide using 13781-1-AP (FABP6 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



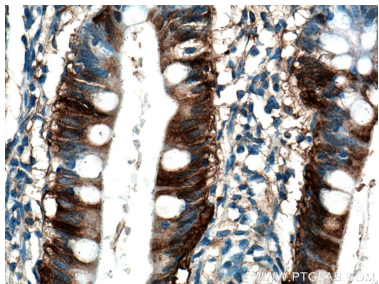
WB result of FABP6 antibody (13781-1-AP; 1:600; incubated at room temperature for 1.5 hours) with sh-Control and sh-FABP6 transfected HepG2 cells.



Immunohistochemical analysis of paraffin-embedded mouse small intestine tissue slide using 13781-1-AP (FABP6 antibody) at dilution of 1:1000 (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 13781-1-AP (FABP6 antibody) at dilution of 1:1000 (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 13781-1-AP (FABP6 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).