

For Research Use Only

FABP2 Polyclonal antibody

Catalog Number: 21252-1-AP

Featured Product

14 Publications



Basic Information

Catalog Number:

21252-1-AP

Size:

150ul, Concentration: 500 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG15793

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:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IHC 1:50-1:500

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse, rat

Cited Species:

mouse, rat, pig, chicken

Positive Controls:

WB: COLO 320 cells, mouse small intestine tissue, rat small intestine tissue

IHC: human stomach cancer tissue, human colon cancer tissue

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

Background Information

FABP2, also known as Intestinal Fatty Acid Binding Protein (I-FABP), is a member of the Fatty Acid Binding Proteins (FABPs) family. The cytoplasmic content of FABP2 could be delivered into the systematic circulation once the death of enterocyte happens, thus the elevated FABP2 concentration in the blood has been shown in many human intestinal diseases. FABP2 is a water soluble cytosolic protein with a small molecular weight of 14-15 kDa, and it is initially located in the mature enterocytes of the small intestine (PMID: 26547205).

Notable Publications

Author	Pubmed ID	Journal	Application
Luoyi Zhu	34704376	Microb Biotechnol	WB
Huiduo Guo	34695613	Ecotoxicol Environ Saf	WB
Mingming Song	34653936	Biomaterials	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**

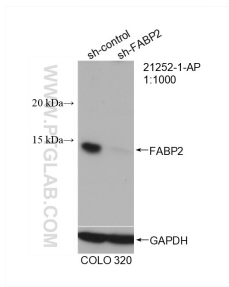
For technical support and original validation data for this product please contact:

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

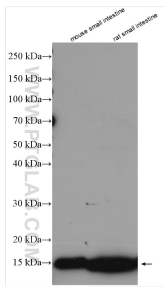
E: proteintech@ptglab.com
W: ptglab.com

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

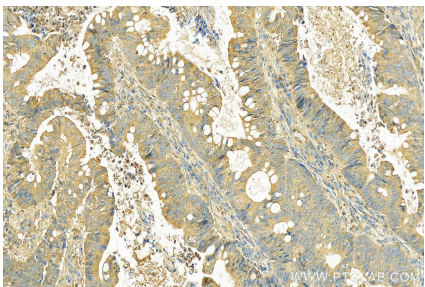
Selected Validation Data



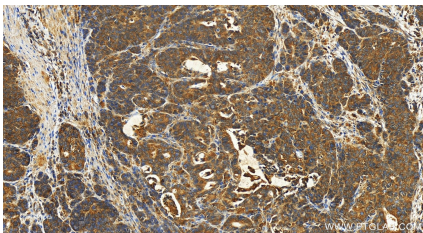
WB result of FABP2 antibody (21252-1-AP; 1:1000; incubated at room temperature for 1.5 hours) with sh-Control and sh-FABP2 transfected COLO 320 cells.



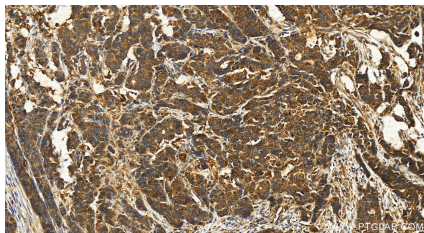
Various lysates were subjected to SDS PAGE followed by western blot with 21252-1-AP (FABP2 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded Colorectal cancer slide using 21252-1-AP (FABP2 antibody) at dilution of 1:100 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 21252-1-AP (FABP2 antibody) at dilution of 1:100 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 21252-1-AP (FABP2 antibody) at dilution of 1:100 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).