

For Research Use Only

FABP5 Polyclonal antibody

Catalog Number: 12348-1-AP

Featured Product

34 Publications



Basic Information

Catalog Number:

12348-1-AP

Size:

900 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG3005

GenBank Accession Number:

BC019385

GeneID (NCBI):

2171

UNIPROT ID:

Q01469

Full Name:

fatty acid binding protein 5 (psoriasis-associated)

Calculated MW:

135 aa, 15 kDa

Observed MW:

15 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:3000

IF 1:50-1:500

Applications

Tested Applications:

FC, IF/ICC, WB, ELISA

Cited Applications:

CoIP, IF, IHC, WB

Species Specificity:

human, mouse, rat

Cited Species:

human, rat, mouse, pig

Positive Controls:

WB : A375 cells, HepG2 cells, mouse skin tissue, HeLa cells, A431 cells

IF : U2OS cells,

Background Information

FABP5, also named as PA-FABP and E-FABP, belongs to the calycin superfamily and Fatty-acid binding protein (FABP) family. It is high specificity for fatty acids. FABP5 is highest affinity for C18 chain length. It may be involved in keratinocyte differentiation. FABP5 is a fatty acid-binding protein and is expressed in epidermis and endothelial cells of the microvasculature of different organs. FABP5 has also been identified as a tumor-associated antigen, which is highly expressed in various cancers. FABP5 was detected in the sera of HNSCC patients with early stage cancer. Antibodies specific for FABP5 were significantly increased in a substantial amount in patients, suggesting that FABP5 may be a potential diagnostic biomarker for HNSCC. FABP5 may serve as a biomarker for HNSCC. (PMID:19602232)

Notable Publications

Author	Pubmed ID	Journal	Application
Haiyan He	36125039	Food Funct	WB
Guangzhen Wu	31491402	Eur J Pharmacol	WB
Yasuhiro Adachi	36089341	J UOEH	WB,IHC

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

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

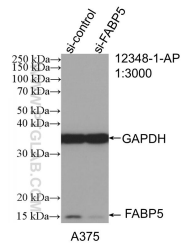
T: 4006900926

E: Proteintech-CN@ptglab.com

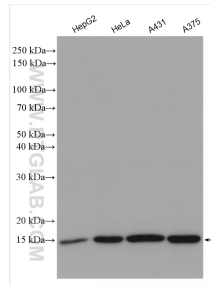
W: ptgcn.com

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

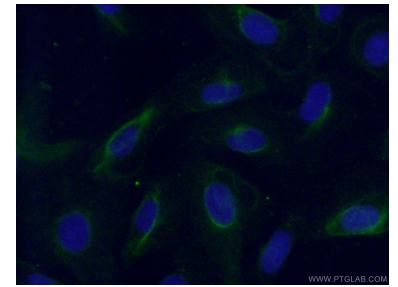
Selected Validation Data



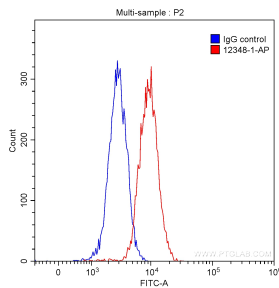
WB result of FABP5 antibody (12348-1-AP; 1:3000; incubated at room temperature for 1.5 hours) with sh-Control and sh-FABP5 transfected A375 cells.



Various lysates were subjected to SDS PAGE followed by western blot with 12348-1-AP (FABP5 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Ethanol) fixed U2OS cells using 12348-1-AP (FABP5 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



1X10⁶ HeLa cells were intracellularly stained with 0.20 ug/test Anti-Human FABP5 (12348-1-AP) (red) or 0.20 ug control antibody (blue) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1000. Fixed with 90% MeOH.