

For Research Use Only

CoraLite®555-conjugated FABP5 Polyclonal antibody



Catalog Number:CL555-12348

Featured Product

Basic Information

Catalog Number:

CL555-12348

Size:

1000 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:

IF 1:50-1:500

Excitation/Emission maxima wavelengths:

557 nm / 570 nm

Applications

Tested Applications:

FC (Intra), IF/ICC

Species Specificity:

human, mouse, rat

Positive Controls:

IF : HeLa 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)

Storage

Storage:

Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

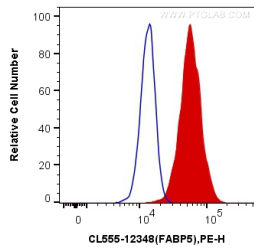
T: 4006900926

E: Proteintech-CN@ptglab.com

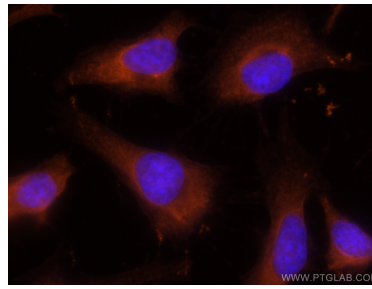
W: ptgcn.com

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

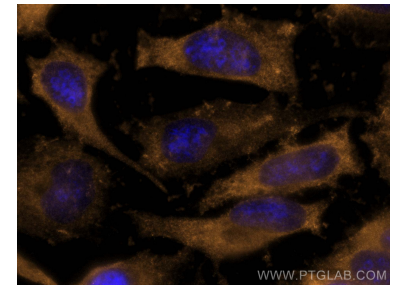
Selected Validation Data



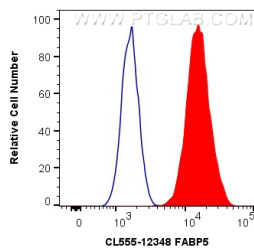
1×10^6 HeLa cells were intracellularly stained with 0.4 μ g CoraLite@555 Anti-Human FABP5 (CL555-12348) (red), or 0.4 μ g Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using CoraLite@555 FABP5 antibody (CL555-12348) at dilution of 1:200.



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using CoraLite@555 FABP5 antibody (CL555-12348) at dilution of 1:200.



1×10^6 HeLa cells were intracellularly stained with 0.8 μ g CoraLite@555 Anti-Human FABP5 (CL555-12348) (red), or 0.8 μ g Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).