

For Research Use Only

CoraLite® Plus 488-conjugated PNPLA3 Monoclonal antibody



Catalog Number: CL488-67369

Basic Information

Catalog Number:

CL488-67369

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG27407

GenBank Accession Number:

BC065195

GeneID (NCBI):

80339

UNIPROT ID:

Q9NST1

Full Name:

patatin-like phospholipase domain
containing 3

Observed MW:

53 kDa

Purification Method:

Protein G purification

CloneNo.:

1D2B11

Recommended Dilutions:

IF 1:50-1:500

Excitation/Emission maxima
wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

IF/ICC

Species Specificity:

Human, Rat

Positive Controls:

IF : HeLa cells,

Background Information

PNPLA3 belongs to a family of proteins that share a domain that was first identified in patatin, a major soluble protein of potato tubers with nonspecific acyl hydrolase activity. The domain differs from classical lipases by employing a catalytic dyad (Ser-Asp), rather than a catalytic triad, to effect hydrolysis. PNPLA3 is expressed primarily in liver and adipose tissue, in which it partitions to membranes and lipid droplets. Real-time PCR of cDNA from human tissues indicated that PNPLA3 expression was highest in the liver, followed by skin and adipose tissue. PNPLA3 is expressed at the highest levels in adipose tissue of mice. The PNPLA3 protein was expected at 50-70 kDa, as observed; the additional band at approximately 130-150 kDa is a oligomer bands. (PMID: 20385813, PMID: 24931521, PMID: 23023705)

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:

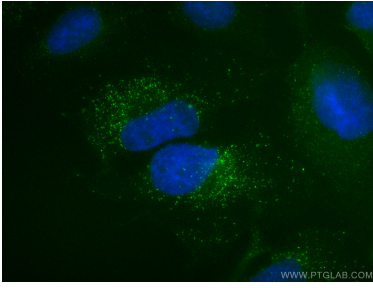
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using CoraLite® Plus 488 PNPLA3 antibody (CL488-67369, Clone: 1D2B11) at dilution of 1:200.