

For Research Use Only

CoraLite® Plus 488-conjugated ADRP/Perilipin 2 Polyclonal antibody



Catalog Number: CL488-15294

Featured Product

Basic Information

Catalog Number:

CL488-15294

Size:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG7539

GenBank Accession Number:

BC005127

GeneID (NCBI):

123

UNIPROT ID:

Q99541

Full Name:

adipose differentiation-related protein

Calculated MW:

48 kDa

Observed MW:

45-48 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IF 1:200-1:800

Excitation/Emission maxima wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

IF/ICC

Species Specificity:

human, mouse, rat

Positive Controls:

IF : oleic acid treated HeLa cells,

Background Information

ADRP (adipocyte differentiation related protein) also known as ADFP, adipophilin, or perilipin-2, is a member of PAT family which is responsible for the transportation of lipids and the formation of lipid droplets. ADRP is localized on the surface of lipid droplets in a variety of tissues and cell lines. ADRP is not detected in undifferentiated cells but increases rapidly to high levels when adipocyte precursors differentiate into adipocytes. Anti-ADRP antibody is a reliable and sensitive marker for lipid droplet. Enhanced expression of ADRP is linked to diseases with abnormal lipid storage, including hepatic steatosis, atherosclerosis and diabetes. Immunohistochemistry of ADRP may facilitate histomorphological diagnosis of these diseases.

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:

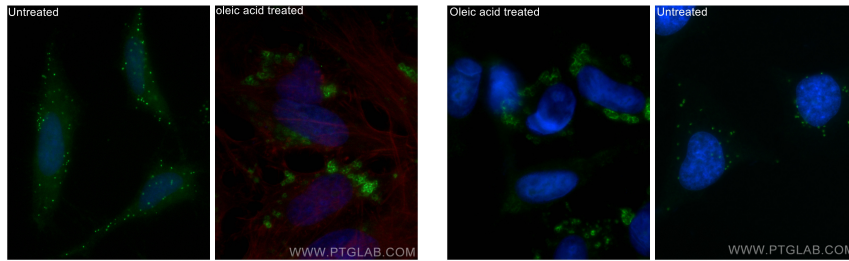
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed oleic acid treated HeLa cells using Coralite® Plus 488 ADRP/Perilipin 2 antibody (CL488-15294) at dilution of 1:400, CL594-Phalloidine (red).

Immunofluorescent analysis of (-20°C Ethanol) fixed oleic acid treated HeLa cells using Coralite® Plus 488 ADRP/Perilipin 2 antibody (CL488-15294) at dilution of 1:400.