For Research Use Only

CoraLite®594-conjugated Perilipin-2 Polyclonal antibody

Catalog Number:CL594-15294 Featured Product 1 Publications

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Basic Information

Catalog Number:
CL594-15294

Size:
100ul , Concentration: 1000 ug/ml by Nanodrop;

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/ICC 1:200-1:800

Excitation/Emission maxima wavelengths:
588 nm / 604 nm

Applications

Tested Applications:
IF/ICC

Cited Applications:
IF

Species Specificity:
human, mouse, rat

Positive Controls:

IF/ICC : 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.

Notable Publications

Author	Pubmed ID	Journal	Application
Hyeonyoung Min	38659859	bioRxiv	IF

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: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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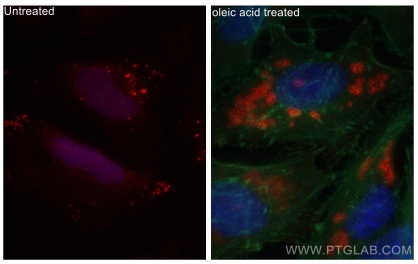
This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed oleic acid treated HeLa cells using CoraLite®594 ADRP/Perilipin 2 antibody (CL594-15294) at dilution of 1:400, CL488-Phalloidine (green).