

For Research Use Only

# CoraLite® Plus 488-conjugated Perilipin-2 Polyclonal antibody

Catalog Number: CL488-15294

Featured Product



## Basic Information

### Catalog Number:

CL488-15294

### Size:

1000 ug/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/ICC 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/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.

## 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:

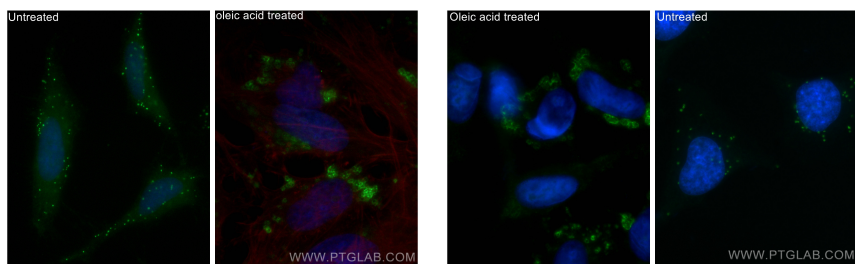
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

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.