

CoraLite® Plus 488-conjugated Perilipin-2 Recombinant antibody

Catalog Number: CL488-80362-2

Basic Information

Catalog Number:

CL488-80362-2

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:

48 kDa

Purification Method:

Protein A purification

CloneNo.:

230274F4

Recommended Dilutions:

IF/ICC 1:50-1:500

**Excitation/Emission maxima
wavelengths:**

493 nm / 522 nm

Applications

Tested Applications:

IF/ICC, FC (Intra)

Species Specificity:

human

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:

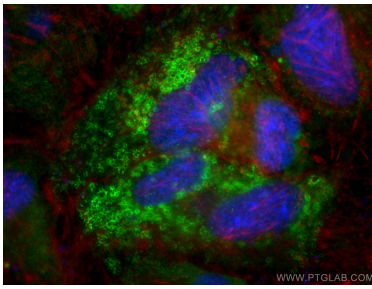
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

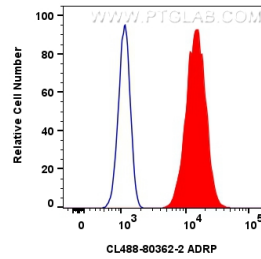
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed oleic acid treated HeLa cells using Coralite® Plus 488 ADRP antibody (CL488-80362-2, Clone: 230274F4) at dilution of 1:200, CL594-phalloidin (red).



1x10⁶ HepG2 cells were intracellularly stained with 0.8 ug Coralite® Plus 488 ADRP Recombinant Antibody (CL488-80362-2, Clone:230274F4) and Coralite® 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2)(red), or 0.8 ug Control Antibody (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).