

For Research Use Only

# CoraLite®594-conjugated Perilipin-2 Recombinant monoclonal antibody

Catalog Number: CL594-80362-2



## Basic Information

### Catalog Number:

CL594-80362-2

### 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:

48 kDa

### Purification Method:

Protein A purification

### CloneNo.:

230274F4

### Recommended Dilutions:

FC (Intra): 0.8 ug per 10<sup>6</sup> cells in a  
100 µl suspension

### Excitation/Emission maxima wavelengths:

588 nm / 604 nm

## Applications

### Tested Applications:

FC (Intra)

### Species Specificity:

human, mouse

### Positive Controls:

FC (Intra) : HepG2 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, pH7.3

Aliquoting is unnecessary for -20°C storage

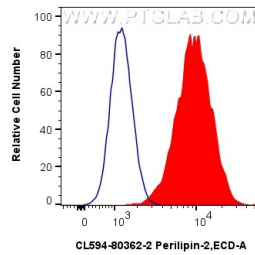
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## Selected Validation Data



1x10<sup>6</sup> HepG2 cells were intracellularly stained with 0.8 ug Coralite®594 Perilipin-2 Recombinant Antibody (CL594-80362-2, Clone:230274F4)(red), or 0.8 ug Coralite®594 Rabbit IgG Isotype Control RecAb (CL594-98136, Clone: 240953C9) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00017).