

For Research Use Only

# CoraLite® Plus 488-conjugated PGC1α Monoclonal antibody

Catalog Number: CL488-66369

Featured Product

1 Publications



## Basic Information

Catalog Number:

CL488-66369

Concentration:

1000 µg/ml

Source:

Mouse

Isotype:

IgG1

GenBank Accession Number:

NM\_013261

GeneID (NCBI):

10891

UNIPROT ID:

Q9UBK2

Full Name:

peroxisome proliferator-activated receptor gamma, coactivator 1 alpha

Calculated MW:

91 kDa

Purification Method:

Protein G purification

CloneNo.:

1C1B2

Recommended Dilutions:

IF/ICC: 1:200-1:800

FC (Intra): 0.20 µg per 10<sup>6</sup> cells in a 100 µl suspension

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Excitation/Emission maxima wavelengths:

493 nm / 522 nm

## Applications

Tested Applications:

IF/ICC, FC (Intra)

Cited Applications:

IF

Species Specificity:

human, mouse, rat

Cited Species:

mouse

Positive Controls:

IF/ICC : HeLa cells,

FC (Intra) : HeLa cells,

FC : HeLa cells,

## Background Information

PPARGC1A, also named as Peroxisome proliferator-activated receptor gamma coactivator 1-alpha, is a 798 amino acid protein, which Contains 1 RRM (RNA recognition motif) domain and localizes in the nucleus. PPARGC1A is transcriptional coactivator for steroid receptors and nuclear receptors. PPARGC1A can regulate key mitochondrial genes that contribute to the program of adaptive thermogenesis and plays an essential role in metabolic reprogramming in response to dietary availability through coordination of the expression of a wide array of genes involved in glucose and fatty acid metabolism. PPARGC1A exists a isoforms in the liver and the molecular weight of it is 77 kDa. Except for a deletion of 127 amino acids at the N terminus, the protein, termed L-PGC-1 α, is identical to PGC-1.

## Notable Publications

Author	Pubmed ID	Journal	Application
Sai Sakktée Krisna	40181967	Front Immunol	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, pH7.3

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

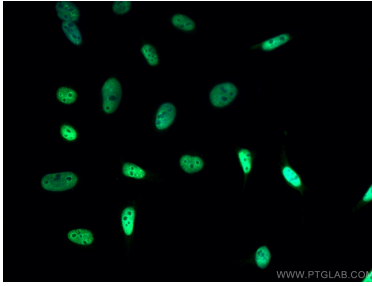
T: 4006900926

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

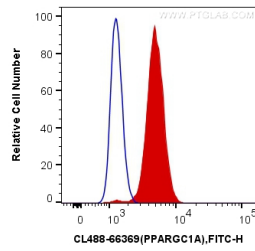
W: [ptgcn.com](http://ptgcn.com)

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 (4% PFA) fixed HeLa cells using CoraLite® Plus 488 PGC1α antibody (CL488-66369, Clone: 1C1B2) at dilution of 1:400.



1X10<sup>6</sup> HeLa cells were intracellularly stained with 0.2 ug CoraLite® Plus 488 Anti-Human PGC1α (CL488-66369, Clone:1C1B2) (red), or 0.2 ug Mouse IgG1 Isotype Control (CL488-66360, Clone: T1F8D3F10) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).