

For Research Use Only

CoraLite® Plus 647-conjugated PGC1a Monoclonal antibody



Catalog Number: CL647-66369

Featured Product

Basic Information

Catalog Number: CL647-66369	GenBank Accession Number: NM_013261	Purification Method: Protein G purification
Size: 100ul , Concentration: 1 mg/mL by Nanodrop;	GeneID (NCBI): 10891	CloneNo.: 1C1B2
Source: Mouse	Full Name: peroxisome proliferator-activated receptor gamma, coactivator 1 alpha	Excitation/Emission maxima wavelengths: 654 nm / 674 nm
Isotype: IgG1	Calculated MW: 91 kDa	
	Observed MW: 100 kDa	

Applications

Tested Applications:
FC (Intra)

Species Specificity:
human, mouse, rat

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 a 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 as an isoform 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.

Storage

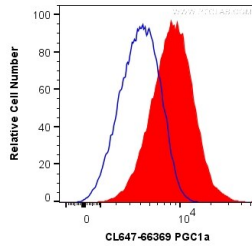
Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

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 W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1X10⁶ HeLa cells were intracellularly stained with 0.2 ug Coralite® Plus 647 Anti-Human PGC1a (CL647-66369, Clone:1C1B2) (red), or 0.2 ug APC-65128 ; APC Mouse IgG2b Isotype Control (APC-65128, Clone: MPC-11) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).