

For Research Use Only

# PGC1a Monoclonal antibody, PBS Only

Catalog Number: 66369-1-PBS

Featured Product



## Basic Information

**Catalog Number:**

66369-1-PBS

**Size:**

100ug, Concentration: 1mg/ml by Nanodrop;

**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

**Observed MW:**

70 kDa, 100 kDa

**Purification Method:**

Protein A purification

**CloneNo.:**

1C1B2

## Applications

**Tested Applications:**

WB, IF/ICC, Indirect ELISA

**Species Specificity:**

human, mouse, rat, pig

## 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  $\alpha$ , is identical to PGC-1.

## Storage

**Storage:**

Store at -80°C.

**Storage Buffer:**

PBS Only

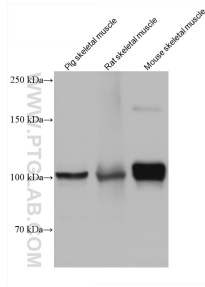
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

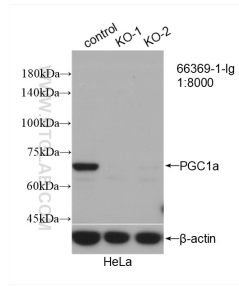
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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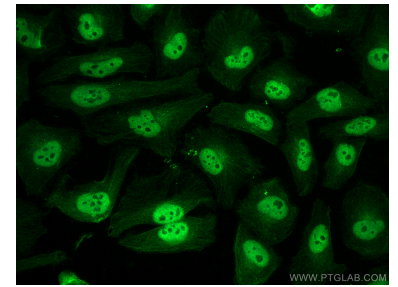
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 66369-1-Ig (PGC1a antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66369-1-PBS in a different storage buffer formulation.



WB result of PGC1a antibody (66369-1-Ig; 1:8000; room temperature for 1.5 hours) with wild-type and PGC1a knockout HeLa cells. This data was developed using the same antibody clone with 66369-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using PGC1a antibody (66369-1-Ig, Clone: 1C1B2) at dilution of 1:2000 and Multi-Ab CoraLite® Plus 488-Goat Anti-Mouse Recombinant Secondary Antibody (H+L) (RGAM002). This data was developed using the same antibody clone with 66369-1-PBS in a different storage buffer formulation.