

For Research Use Only

PGC1α Monoclonal antibody, PBS Only

Catalog Number: 66369-1-PBS

Featured Product



Basic Information

Catalog Number:

66369-1-PBS

Concentration:

1mg/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

Observed MW:

70 kDa, 100 kDa

Purification Method:

Protein G 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 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 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 -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS only, pH7.3

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

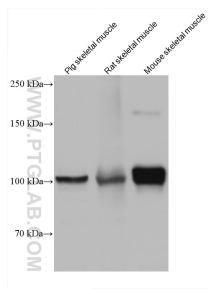
T: 4006900926

E: Proteintech-CN@ptglab.com

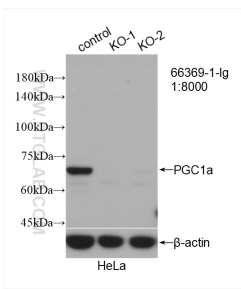
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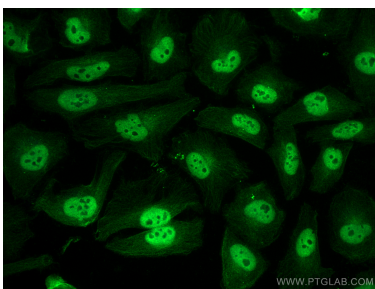
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 66369-1-Ig (PGC1α 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 PGC1α antibody (66369-1-Ig; 1:8000; room temperature for 1.5 hours) with wild-type and PGC1α 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 PGC1α antibody (66369-1-Ig, Clone: 1C1B2) at dilution of 1:2000 and Multi-rAb 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.