For Research Use Only

PGC1a Monoclonal antibody

Catalog Number:66369-1-Ig Featured Product 306 Publications

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Basic Information

Catalog Number:
66369-1-Ig

Size:
150ul , Concentration: 2000 μg/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

Recommended Dilutions:
WB 1:5000-1:50000

Applications

Tested Applications:
WB, ELISA

Cited Applications:
WB, IP, IF, IHC, ELISA

Species Specificity:
human, mouse, rat, pig

Cited Species:
human, goat, chicken, rat, mouse, ducks, hamster, pig, bovine

Positive Controls:

WB : pig skeletal muscle tissue, C2C12 cells, HSC-T6 cells, ROS1728 cells, human skeletal muscle tissue, mouse skeletal muscle tissue, rat skeletal muscle tissue

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.

Notable Publications

Author	Pubmed ID	Journal	Application
Peiyuan Li	34586803	J Agric Food Chem	WB
Zhuqing Li	34607159	Redox Biol	IF,WB
Xiaoqian Zeng	36169214	Food Funct	WB,IHC

Storage

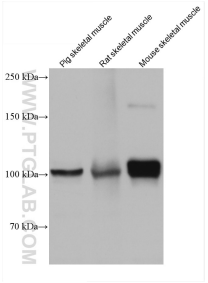
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

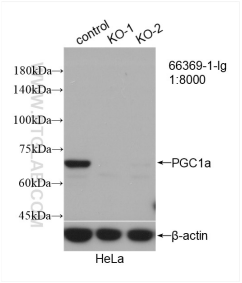
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



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.



WB result of PGC1a antibody (66369-1-Ig; 1:8000; room temperature for 1.5 hours) with wild-type and PGC1a knockout HeLa cells.