PGC1 alpha Rabbit Polyclonal Antibody



CAB11971

Product Information

Size:

20uL, 50uL, 100uL, 200uL

Observed MW:

91kDa/110kDa

Calculated MW:

14kDa/30kDa/31kDa/33kDa/ 77kDa/89kDa/91kDa

Applications:

WB IF

Reactivity:

Human, Mouse, Rat

Protein Background

The protein encoded by this gene is a transcriptional coactivator that regulates the genes involved in energy metabolism. This protein interacts with PPARgamma, which permits the interaction of this protein with multiple transcription factors. This protein can interact with, and regulate the activities of, cAMP response element binding protein (CREB) and nuclear respiratory factors (NRFs). It provides a direct link between external physiological stimuli and the regulation of mitochondrial biogenesis, and is a major factor that regulates muscle fiber type determination. This protein may be also involved in controlling blood pressure, regulating cellular cholesterol homoeostasis, and the development of obesity.

Immunogen information

Gene ID:

10891

Uniprot Q9UBK2

Synonyms:

PPARGC1A; LEM6; PGC-1(alpha); PGC-1alpha; PGC-1v; PGC1; PGC1A; PPARGC1; PPARG coactivator 1 alpha; PGC1 alpha

Antibody Information

Recommended dilutions: WB 1:500 - 1:2000 IF 1:50 -

1:200

Source:

Rabbit

Immunogen:

A synthetic peptide corresponding to a sequence within amino acids 700 to the C-terminus of human PGC1 alpha (NP_037393.1).

Storage:

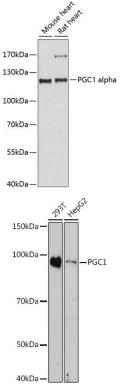
Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% Isotype:

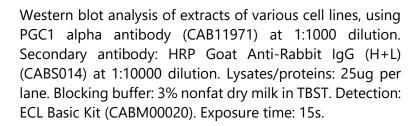
sodium azide, 50% glycerol, pH7.3. IgG

Purification:

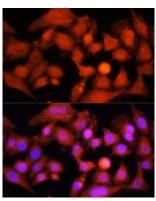
Affinity purification

Product Images





Western blot analysis of extracts of various cell lines, using PGC1 antibody (CAB11971) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Enhanced Kit (CABM00021). Exposure time: 3min.



Immunofluorescence analysis of HeLa cells using PGC1 alpha antibody (CAB11971) at dilution of 1:100. Blue: DAPI for nuclear staining.