

Anti-PGC-1 alpha Antibody (9N432)

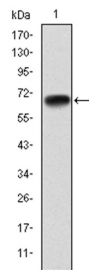
Product Details

Reactivity:	Human
Conjugation:	Unconjugated
Molecular Weight:	Actual: 91 kDa.
Clone:	9N432
Purification:	Affinity-chromatography

Applications

Verified Activity:

1. Western blot analysis using PGC-1alpha mAb against human PGC-1alpha (AA: 570-798) recombinant protein. (Expected MW is 70 kDa)



Application:	ELISA, WB
Recommended	ELISA: 1:10000; WB: 1:500-2000

Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Recombinant Protein: human PGC-1alpha
Antigen Species:	human
Uniprot ID:	Q9UBK2
Synonyms:	Ppargc1b;PPAR gamma coactivator 1 alpha 3 ligand effect modulator 6;PGC-1-alpha;PGC1 α ; PPARGC1A;PGC 1(alpha);PPAR gamma coactivator-1beta;Peroxisome proliferator activated receptor gamma coactivator 1 alpha;PERC;PPAR-gamma coactivator 1-beta;PPARGC 1 alpha; PPARGC-1-beta;Peroxisome proliferative activated receptor, gamma, coactivator 1 alpha; peroxisome proliferator-activated receptor gamma coactivator 1 beta;PRGC1;PPAR gamma coactivator 1;PGC1 β ;PGC1A;LEM6;PPAR gamma coactivator variant form;PGC1v;PGC-1(beta); PGC1 α ;PGC1 β ;PGC 1v;Peroxisome proliferative activated receptor, gamma, coactivator 1;PGC1; PGC-1-beta;Ligand effect modulator 6;PPAR-gamma coactivator 1-alpha;PPAR gamma coactivator 1 alpha;PGC1(alpha);PGC-1-related estrogen receptor alpha coactivator;PPARGC1; PRGC2

Research Background

The protein encoded by this gene is a transcriptional coactivator that regulates the genes involved in energy metabolism. This protein interacts with PPAR gamma, 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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