



Human PPARGC1A blocking peptide (CDBP2268)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-PGC1A antibody
Antigen Description	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. [provided by RefSeq, Jul 2008]
Species	Human
Conjugate	Unconjugated
Applications	Apuri, BL, ELISA
Format	Lyophilized powder
Size	100 µg
Preservative	None
Storage	Shipped at ambient temperature, store at -20°C.

GENE INFORMATION

Gene Name	PPARGC1A peroxisome proliferator-activated receptor gamma, coactivator 1 alpha [Homo
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Official Symbol	PPARGC1A
Synonyms	PPARGC1A; peroxisome proliferator-activated receptor gamma, coactivator 1 alpha; LEM6; PGC1; PGC1A; PGC-1v; PPARGC1; PGC-1(alpha); peroxisome proliferator-activated receptor gamma coactivator 1-alpha; PGC-1-alpha; L-PGC-1alpha; PPARGC-1-alpha; ligand effect modulator-6; PPAR gamma coactivator variant form; peroxisome proliferator-activated receptor gamma coactivator 1 alpha transcript variant B4; peroxisome proliferator-activated receptor gamma coactivator 1 alpha transcript variant B5; peroxisome proliferator-activated receptor gamma coactivator 1 alpha transcript variant B4-8a; peroxisome proliferator-activated receptor gamma coactivator 1 alpha transcript variant B5-NT; peroxisome proliferator-activated receptor gamma coactivator 1 alpha transcript variant B4-3ext;
Entrez Gene ID	10891
mRNA Refseq	NM_013261.3
Protein Refseq	NP_037393.1
UniProt ID	Q9UBK2
Chromosome Location	4p15.1
Pathway	ATF-2 transcription factor network, organism-specific biosystem; Adipocytokine signaling pathway, organism-specific biosystem; Adipocytokine signaling pathway, conserved biosystem; Adipogenesis, organism-specific biosystem; BMAL1:CLOCK/NPAS2 Activates Circadian Expression, organism-specific biosystem; Circadian Clock, organism-specific biosystem; Circadian Repression of Expression by REV-ERBA, organism-specific biosystem; Developmental Biology, organism-specific biosystem; Energy Metabolism, org
Function	DNA binding; DNA binding; RNA binding; RNA polymerase II transcription cofactor activity; androgen receptor binding; chromatin DNA binding; ligand-dependent nuclear receptor binding; ligand-dependent nuclear receptor transcription coactivator activity; nu
