



PPARGC1A Monoclonal Antibody

Product Code	CSB-MA091878
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Immunogen	Purified recombinant fragment of Human PGC-1alpha expressed in E. Coli
Raised In	Mouse
Species Reactivity	Human
Specificity	PGC-1alpha antibody detects endogenous levels of total PGC-1alpha
Tested Applications	ELISA,WB;Recommended dilution:WB:1:500-1:5000
Relevance	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.
Form	Mouse IgG1 in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt
Purification Method	Affinity-chromatography
Clonality	Monoclonal
Alias	PPARGC1A; LEM6; PGC1; PGC1A; PGC-1v; PPARGC1; PGC-1(alpha)
Product Type	Monoclonal Antibody
Immunogen Species	Homo sapiens (Human)