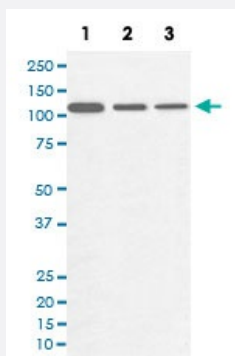


PPARGC1A monoclonal antibody, clone AOBC-16

Catalog # MAB20315 Size 100 uL

Applications



Western Blot (Cell lysate)

Western blot analysis of (1) HeLa cell lysate; (2) NIH/3T3 cell lysate; (3) C6 cell lysate with PPARGC1A monoclonal antibody.

Specification

Product Description	Rabbit monoclonal antibody raised against synthetic peptide of human PPARGC1A.
Immunogen	A synthetic peptide corresponding to human PPARGC1A.
Host	Rabbit
Reactivity	Human, Mouse, Rat
Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Western Blot (1:500-1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage Instruction	Store at -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of (1) HeLa cell lysate; (2) NIH/3T3 cell lysate; (3) C6 cell lysate with PPARGC1A monoclonal antibody.

Gene Info — PPARGC1A

Entrez GeneID [10891](#)

Protein Accession# [Q9UBK2](#)

Gene Name PPARGC1A

Gene Alias LEM6, PGC-1(alpha), PGC-1v, PGC1, PGC1A, PPARGC1

Gene Description peroxisome proliferator-activated receptor gamma, coactivator 1 alpha

Omim ID [604517](#)

Gene Ontology [Hyperlink](#)

Gene Summary The protein encoded by this gene is a transcriptional coactivator that regulates the genes involved in energy metabolism. This protein interacts with PPARGgamma, 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 homeostasis, and the development of obesity. [provided by RefSeq]

Other Designations OTTHUMP00000123372|PPAR gamma coactivator variant form|PPAR gamma coactivator-1|ligand effect modulator-6|peroxisome proliferative activated receptor, gamma, coactivator 1, alpha

Pathway

- [Adipocytokine signaling pathway](#)
- [Insulin signaling pathway](#)

Disease

- [Adenocarcinoma](#)
- [Alzheimer disease](#)
- [Anorexia Nervosa](#)
- [Atherosclerosis](#)
- [Bipolar Disorder](#)
- [Birth Weight](#)
- [Body Weight](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Bulimia](#)
- [Calcinosis](#)
- [Cardiomyopathy](#)
- [Cardiovascular Diseases](#)
- [Carotid Stenosis](#)
- [Colorectal Neoplasms](#)
- [Coronary Artery Disease](#)
- [Diabetes](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Diabetic Angiopathies](#)
- [Diabetic Nephropathies](#)
- [Diabetic Retinopathy](#)
- [Disease Progression](#)
- [DNA Damage](#)

- [Edema](#)
- [Esophageal Neoplasms](#)
- [Fatty Liver](#)
- [Genetic Predisposition to Disease](#)
- [Glomerulonephritis](#)
- [Glucose Intolerance](#)
- [Glucose Metabolism Disorders](#)
- [Glycogen Storage Disease Type V](#)
- [Huntington disease](#)
- [Hyperinsulinism](#)
- [Hypertension](#)
- [Hypertriglyceridemia](#)
- [Hypertrophy](#)
- [Inflammation](#)
- [Insulin Resistance](#)
- [Kidney Failure](#)
- [Metabolic Syndrome X](#)
- [Narcolepsy](#)
- [Neoplasms](#)
- [Obesity](#)
- [Osteoporosis](#)
- [Overweight](#)
- [Polycystic Ovary Syndrome](#)
- [Renal Insufficiency](#)
- [Sarcoidosis](#)
- [Schizophrenia](#)

- [Task Performance and Analysis](#)
- [Ventricular Dysfunction](#)
- [Weight Loss](#)
- [Werner syndrome](#)