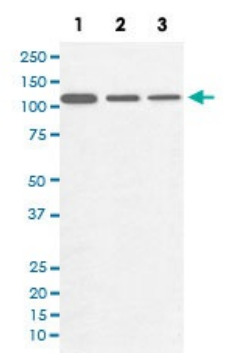
PPARGC1A monoclonal antibody, clone AOBC-16

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 st ored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

Copyright © 2023 Abnova Corporation. All Rights Reserved.

Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d 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 PPARgamma, which permits the interaction of th is protein with multiple transcription factors. This protein can interact with, and regulate the activiti es 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 bi ogenesis, and is a major factor that regulates muscle fiber type determination. This protein may b e also involved in controlling blood pressure, regulating cellular cholesterol homoeostasis, and the development of obesity. [provided by RefSeq
Other Designations	OTTHUMP00000123372|PPAR gamma coactivator variant form|PPAR gamma coactivator-1|liga nd effect modulator-6|peroxisome proliferative activated receptor, gamma, coactivator 1, alpha

Pathway

- Adipocytokine signaling pathway
- Insulin signaling pathway

Copyright © 2023 Abnova Corporation. All Rights Reserved.

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

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- 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

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- Task Performance and Analysis
- Ventricular Dysfunction
- Weight Loss
- Werner syndrome

Copyright © 2023 Abnova Corporation. All Rights Reserved.