

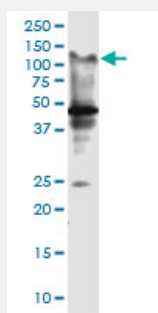
CX Grade

PPARGC1A monoclonal antibody (M01J), clone 4A8

Catalog # H00010891-M01J

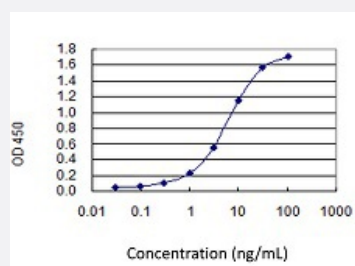
Size 100 ug

Applications



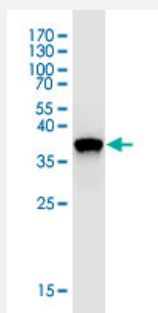
Western Blot (Cell lysate)

PPARGC1A monoclonal antibody (M01J), clone 4A8. Western Blot analysis of PPARGC1A expression in U-2 OS.



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged PPARGC1A is 0.1 ng/ml as a capture antibody.



Western Blot detection against Immunogen (37.84 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a partial recombinant PPARGC1A. This product is belong to Cell Culture Grade Antibody (CX Grade).

Immunogen	PPARGC1A (NP_037393, 689 a.a. ~ 798 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	TRTELDRFEVFGIEECTVNLRDDGDSYGFTYRYTCDAAFAALENGYTLRRSNETDFELYFCGRK QFFKSNYADLDSNSDDFDPASTKSKYDSLDFDSSLKEAQRSLRR
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (94); Rat (95)
Preparation Method	Cell Culture Production
Isotype	IgG2b Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37.84 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

PPARGC1A monoclonal antibody (M01J), clone 4A8. Western Blot analysis of PPARGC1A expression in U-2 OS.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged PPARGC1A is 0.1 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — PPARGC1A

Entrez GeneID

[10891](#)

GeneBank Accession#	NM_013261
Protein Accession#	NP_037393
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 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](#)
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- [Cardiovascular Diseases](#)
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- [Diabetes Mellitus](#)
- [Diabetic Angiopathies](#)
- [Diabetic Nephropathies](#)
- [Diabetic Retinopathy](#)
- [Disease Progression](#)
- [DNA Damage](#)
- [Edema](#)
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- [Genetic Predisposition to Disease](#)
- [Glomerulonephritis](#)
- [Glucose Intolerance](#)
- [Glucose Metabolism Disorders](#)
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- [Huntington disease](#)
- [Hyperinsulinism](#)
- [Hypertension](#)
- [Hypertriglyceridemia](#)
- [Hypertrophy](#)
- [Inflammation](#)
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- [Metabolic Syndrome X](#)
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- [Obesity](#)
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- [Schizophrenia](#)
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- [Ventricular Dysfunction](#)
- [Weight Loss](#)
- [Werner syndrome](#)