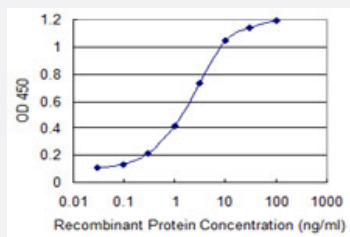


PPARGC1A monoclonal antibody (M18), clone 2F10

Catalog # H00010891-M18

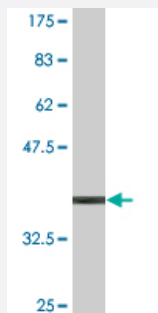
Size 100 ug

Applications



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged PPARGC1A is 0.03 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.
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	TRTELRRDRFEVFGIEECTVNLRDDGDSYGFITYRYTCDAAFAALENGYTLRRSNETDFELYFCGRK QFFKSNYADLDSNSDDFDPASTKSKYDSLDFDSSLKEAQRSLRR
Host	Mouse
Reactivity	Human

Interspecies Antigen Sequence	Mouse (94); Rat (95)
Isotype	IgG2a 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 (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged PPARGC1A is 0.03 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](#)
- [Cardiomyopathy](#)
- [Cardiovascular Diseases](#)
- [Carotid Stenosis](#)

- [Colorectal Neoplasms](#)
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- [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](#)
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- [Hyperinsulinism](#)
- [Hypertension](#)
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- [Hypertrophy](#)
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- [Insulin Resistance](#)
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- [Metabolic Syndrome X](#)
- [Narcolepsy](#)
- [Neoplasms](#)
- [Obesity](#)
- [Osteoporosis](#)
- [Overweight](#)
- [Polycystic Ovary Syndrome](#)
- [Renal Insufficiency](#)
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- [Schizophrenia](#)
- [Task Performance and Analysis](#)
- [Ventricular Dysfunction](#)
- [Weight Loss](#)
- [Werner syndrome](#)