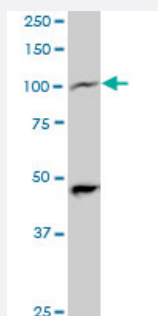


PPARGC1A monoclonal antibody (M04), clone 2F9

Catalog # H00010891-M04

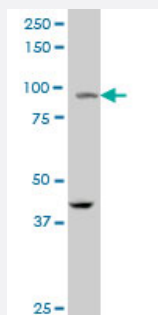
Size 100 ug

Applications



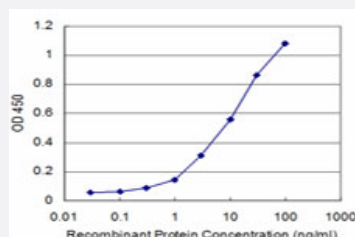
Western Blot (Cell lysate)

PPARGC1A monoclonal antibody (M04), clone 2F9. Western Blot analysis of PPARGC1A expression in A-431 (Cat # L015V1).



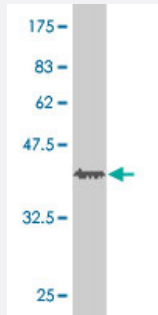
Western Blot (Cell lysate)

PPARGC1A monoclonal antibody (M04), clone 2F9 Western Blot analysis of PPARGC1A expression in U-2 OS (Cat # L022V1).



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged PPARGC1A is approximately 1ng/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	TRTELDRDREVFGEIEECTVNLRDDGDSYGFITYRYTCDAFAALENGYTLRRSNETDFELYFCGRK QFFKSNYADLDSNSDDFDPASTKSKYDSLDFDSSLKEAQRSLRR
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (94); Rat (95)
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 (M04), clone 2F9. Western Blot analysis of PPARGC1A expression in A-431 (Cat # L015V1).

[Protocol Download](#)

- Western Blot (Cell lysate)

PPARGC1A monoclonal antibody (M04), clone 2F9 Western Blot analysis of PPARGC1A expression in U-2 OS (Cat # L022V1).

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged PPARGC1A is approximately 1ng/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](#)
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- [Diabetic Angiopathies](#)

- [Diabetic Nephropathies](#)
- [Diabetic Retinopathy](#)
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