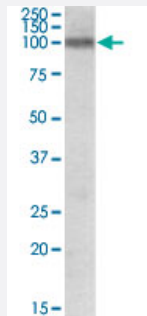


PPARGC1A polyclonal antibody

Catalog # PAB7302

Size 100 ug

Applications



Western Blot (Tissue lysate)

PPARGC1A polyclonal antibody (Cat # PAB7302) (0.1 ug/mL) staining of rat stomach lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Specification

Product Description Goat polyclonal antibody raised against synthetic peptide of PPARGC1A.

Immunogen A synthetic peptide corresponding to internal region of human PPARGC1A.

Sequence C-DGLFDDSEDESDK

Host Goat

Reactivity Rat

Form Liquid

Purification Antigen affinity purification

Recommend Usage
ELISA (1:32000)
Western Blot (1-3 ug/mL)
The optimal working dilution should be determined by the end user.

Storage Buffer In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)

Storage Instruction
Store at -20°C.
Aliquot to 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 (Tissue lysate)

PPARGC1A polyclonal antibody (Cat # PAB7302) (0.1 ug/mL) staining of rat stomach lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

- Enzyme-linked Immunoabsorbent Assay

Gene Info — PPARGC1A

Entrez GeneID [10891](#)

Protein Accession# [NP_0.37393.1](#)

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

Publication Reference

- [PGC-1alpha regulates the neuromuscular junction program and ameliorates Duchenne muscular dystrophy.](#)

Christoph Handschin, Yvonne M Kobayashi, Sherry Chin, Patrick Seale, Kevin P Campbell, Bruce M Spiegelman.

Genes & Development 2007 Apr; 21(7):770.

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](#)
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- [Weight Loss](#)
- [Werner syndrome](#)