

PGC-1 Alpha Monoclonal Antibody

Description

Product type	Primary Antibody
Code	BT-MCA1021
Host	Mouse
Isotype	IgG
Size	50ul, 100ul
Immunogen	Purified recombinant fragment of human PGC-1 α expressed in E. Coli.
Mol wt	N/A
Species reactivity	Human
Clonality	Monoclonal
Recommended application	WB, ELISA
Concentration	1 mg/ml
Full name	Peroxisome proliferator-activated receptor gamma coactivator 1- α p
Synonyms	PPARGC1A; LEM6; PGC1; PGC1A; PPARGC1; Peroxisome proliferator-activated receptor gamma coactivator 1- α ; PGC-1- α ; PPAR- γ coactivator 1- α ; PPARGC-1- α ; Ligand effect modulator 6

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

The protein encoded by this gene is a transcriptional coactivator that regulates the genes involved in energy metabolism. This protein interacts with PPAR γ , 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.

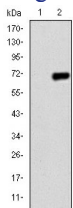
Recommended Dilution

ELISA: 1:10000

WB: 1:500 - 1:2000

Not yet tested in other applications.

Images



Western Blot analysis using PGC-1 α Monoclonal antibody against HEK293 (1) and PGC-1 α -hlgGfC transfected HEK293 (2) cell lysate.

Storage

-20°C for one year