

PGC1 alpha Polyclonal Antibody

Catalog Number: E-AB-65852

3 Publications



Note: Centrifuge before opening to ensure complete recovery of vial contents.

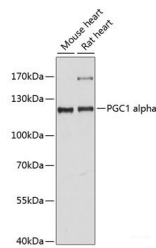
Description

Reactivity	Human, Mouse, Rat
Immunogen	A synthetic peptide of human PGC1 alpha (NP_037393.1).
Host	Rabbit
Isotype	IgG
Purification	Affinity purification
Conjugation	Unconjugated
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Applications Recommended Dilution

WB	1:500-1:2000
IF	1:50-1:200

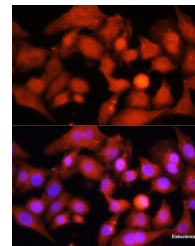
Data



Western blot analysis of extracts of various cell lines using PGC1 alpha Polyclonal Antibody at dilution of 1:1000.

Observed Mw: 110kDa

Calculated Mw: 14kDa/30kDa/31kDa/33kDa/77kDa/89kDa/91kDa



Immunofluorescence analysis of HeLa cells using PGC1 alpha Polyclonal Antibody at dilution of 1:100. Blue: DAPI for nuclear staining.

Preparation & Storage

Storage Store at -20°C. Avoid freeze / thaw cycles.

Background

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.

For Research Use Only

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