

PGC-1 α Polyclonal Antibody

CATALOG #: 3934-100
AMOUNT: 100 μ g
LOT #: _____

IMMUNOGEN: Synthetic peptide surrounding amino acid 779 of mouse PGC-1 α

INTERNAL ID#: BV-H5A

HOST: Rabbit

SPECIES REACTIVITY: Human, Mouse, Rat

FORMULATION:

100 μ g (0.5 mg/ml) affinity purified rabbit anti-PGC-1 α polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 30% glycerol, 0.5% BSA, 5 mM EDTA and 0.01% thimerosal.

STORAGE CONDITIONS:

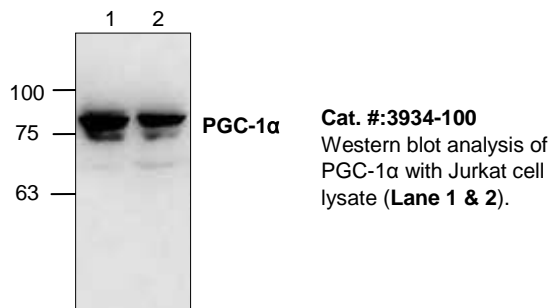
Store at -20°C. For long term storage, aliquot and freeze at -70°C. Avoid repeated freeze/thaw cycles.

DESCRIPTION:

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 also be involved in controlling blood pressure, regulating cellular cholesterol homeostasis, and the development of obesity.

APPLICATION AND USAGE:

The antibody can be used for Western blot analysis (0.5-4 μ g/ml). However, the optimal conditions should be determined individually. Blocking peptide (Cat.# 3934BP-50) is available separately.



FOR RESEARCH USE ONLY! Not to be used on humans.

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- Caspase Assay Kits & Reagents
- Mitochondrial Apoptosis Kits & Reagents
- Nuclear Apoptosis Kits & Reagents
- Apoptosis Inducers and Set
- Apoptosis siRNA Vectors

Cell Fractionation System

- Mitochondria/Cytosol Fractionation Kit
- Nuclear/Cytosol Fractionation Kit
- Membrane Protein Extraction Kit
- Cytosol/Particulate Rapid Separation Kit
- Mammalian Cell Extraction Kit
- FractionPREP Fractionation System

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