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PGC1α Rabbit mAb

Catalog No.: A20995 Recombinant 20 Publications

Basic Information

Observed MW
100kDa

Calculated MW
91kDa

Category
Primary antibody

Applications
WB,ELISA

Cross-Reactivity
Human

CloneNo number
ARC51988

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 homoeostasis, and the development of obesity.

Recommended Dilutions

WB	1:1000 - 1:2000
ELISA	Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID
10891

Swiss Prot
Q9UBK2

Immunogen
Recombinant protein (or fragment).This information is considered to be commercially sensitive.

Synonyms
LEM6; PGC1; PGC1A; PGC-1v; PPARGC1; PGC-1alpha; PGC-1(alpha); PGC1α

Contact

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Product Information

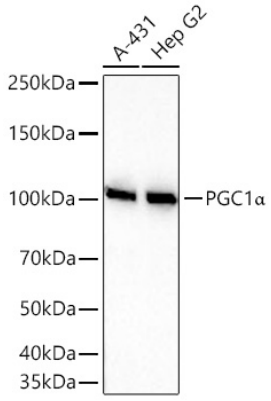
Source
Rabbit

Isotype
IgG

Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.09% Sodium azide,0.05% BSA,50% glycerol,pH7.3.

Validation Data



Western blot analysis of various lysates using PGC1α Rabbit mAb (A20995) at 1:1000 dilution incubated at room temperature for 1.5 hours.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 45s.