

PGC1 alpha Rabbit pAb

Catalog NO.: A17089 **5 Publications**

Basic Information

Observed MW

91 kDa

Calculated MW

91 kDa

Category

Polyclonal Antibodies

Applications

WB, IF/ICC, IF-P, IHC-P, ELISA

Cross-Reactivity

Human, Mouse, Rat

Background

This gene encodes a transcriptional coactivator that induces and coordinates gene expression regulating mitochondrial biogenesis, respiration, hepatic gluconeogenesis, thermogenic program in brown fat and muscle fiber-type switching. Mice lacking the encoded protein exhibit reduced thermogenic capacity, hyperactivity and resistance to diet-induced obesity. Mice lacking the encoded protein specifically in the heart exhibit peripartum cardiomyopathy. Alternative splicing results in multiple transcript variants.

Recommended Dilutions

WB	1:1000 - 1:9000
IF/ICC	1:100 - 1:200
IF-P	1:100 - 1:200
IHC-P	1:400 - 1:1600

ELISA

Recommended starting concentration is 1 µg/mL.
Please optimize the concentration based on your specific assay requirements.

Contact

Immunogen Information

Gene ID	Swiss Prot
19017	O70343

Immunogen

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

Synonyms

Pgc1; PGC-1; Pgco1; Gm11133; Ppargc1; Pgc-1alpha; A830037N07Rik; PPARGC-1-alpha; PGC1 alpha

Product Information

☒		order@abclonal.com
☒		service@abclonal.com
☒		www.abclonal.com

Source

Rabbit

Isotype

IgG

Purification

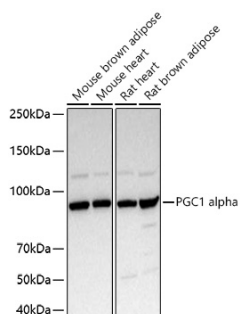
Affinity purification

Storage

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

Buffer: PBS, pH 7.3, containing 50% glycerol. Preserved with Proclin300 or sodium azide. May contain 0.05% BSA as specified on the Certificate of Analysis.

Validation Data



Western blot analysis of various lysates using PGC1 alpha Rabbit pAb (A17089) at 1:3000 dilution incubated at room temperature for 1.5 hours.

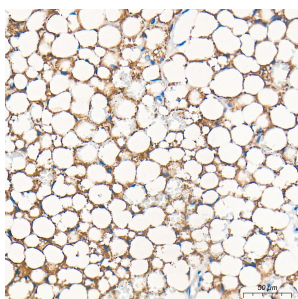
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25 µg per lane.

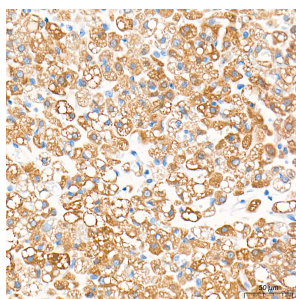
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

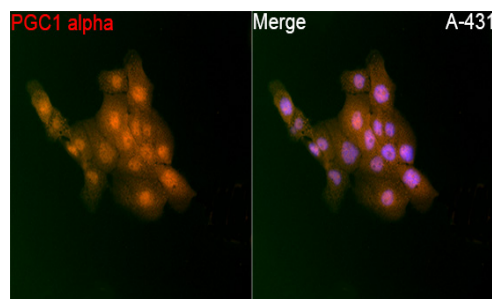
Exposure time: 1 s.



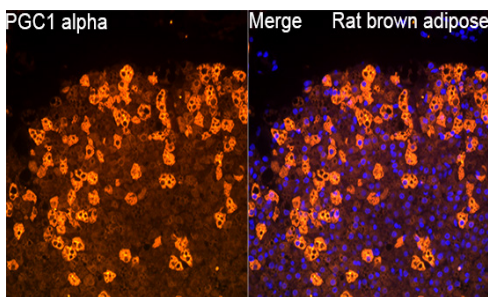
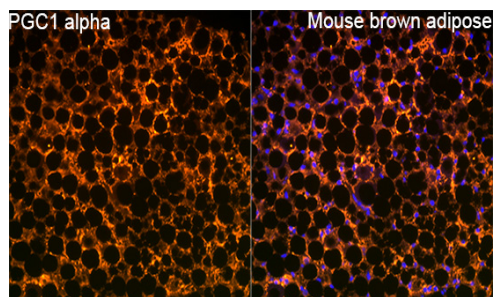
Immunohistochemistry analysis of paraffin-embedded Mouse brown adipose tissue using PGC1 alpha Rabbit pAb (A17089) at a dilution of 1:800 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat brown adipose tissue using PGC1 alpha Rabbit pAb (A17089) at a dilution of 1:800 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunofluorescence analysis of A-431 cells using PGC1 alpha Rabbit pAb (A17089) at a dilution of 1:150 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of Mouse brown adipose tissue using PGC1 alpha Rabbit pAb (A17089) at a dilution of 1:150 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining. High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining.

Immunofluorescence analysis of Rat brown adipose tissue using PGC1 alpha Rabbit pAb (A17089) at a dilution of 1:150 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining. antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining.