

# Anti-PGC1 Alpha Rabbit pAb

Purified Rabbit Polyclonal Antibody

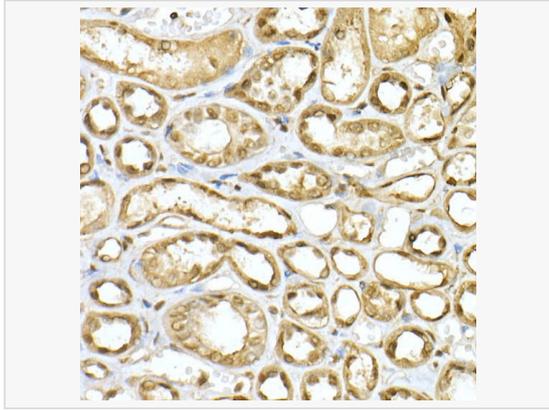
Catalog # P100956

## Product Information

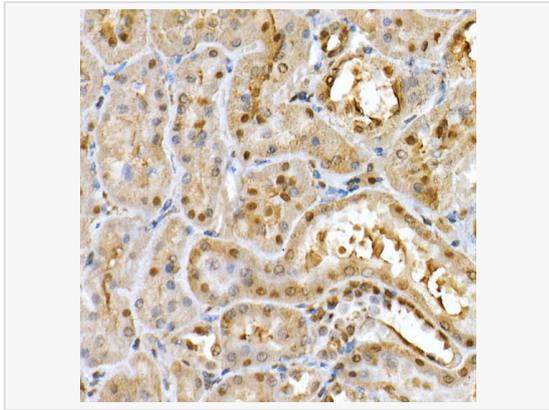
Application	WB, IHC-P/IF (Tissue-P), IF (Cell)/ICC, ELISA
Reactivity	Human, Mouse, Rat
Dilution	WB 1:500~1:1,000; IHC-P 1:50~1:200; IF 1:50~1:200
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Label	Unconjugated
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 610-710 of human PGC1 $\alpha$ (NP_037393.1).
Format	Affinity purified polyclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-PGC1 Alpha Rabbit pAb is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

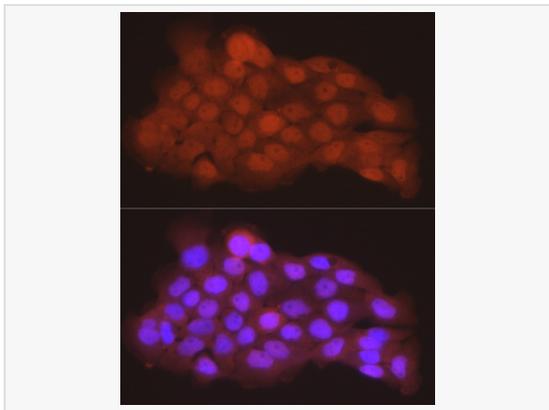
Synonyms	LEM6; PGC1; PGC1A; PGC-1v; PPARGC1; PGC-1 alpha; PGC-1(alpha); PGC1 alpha.
Calculated MW	Calculated MW: 91 kDa; Observed MW: 91 kDa
Uniprot ID	Q9UBK2
Gene ID	10891
Background	The protein encoded by this gene is a transcriptional coactivator that regulates the genes involved in energy metabolism. 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.



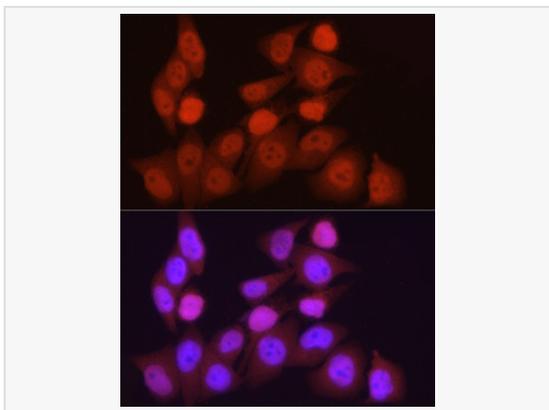
Immunohistochemistry analysis of paraffin-embedded Human kidney using PGC1 $\alpha$  Rabbit pAb (P100956) at dilution of 1:20 (40 $\times$  lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



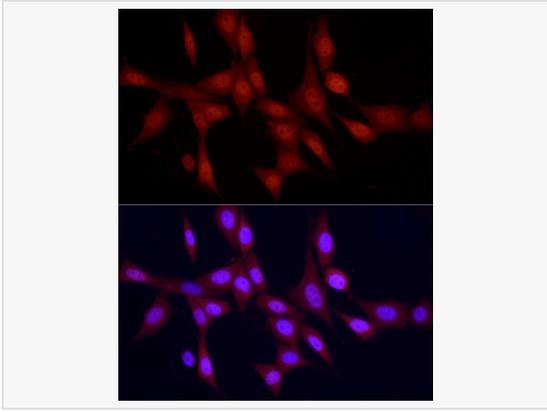
Immunohistochemistry analysis of paraffin-embedded Rat kidney using PGC1 $\alpha$  Rabbit pAb (P100956) at dilution of 1:20 (40 $\times$  lens). High pressure antigen retrieval performed with 0.01M Citrate Bufferr (pH 6.0) prior to IHC staining.



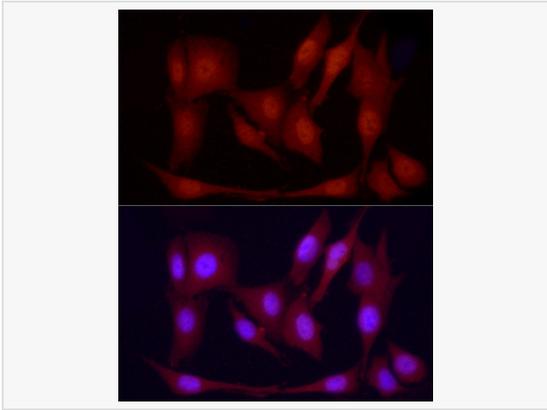
Immunofluorescence analysis of A-431 cells using PGC1 $\alpha$  Rabbit pAb (P100956) at dilution of 1:100 (40 $\times$  lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of HeLa cells using PGC1 $\alpha$  Rabbit pAb (P100956) at dilution of 1:100 (40 $\times$  lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of NIH/3T3 cells using PGC1 $\alpha$  Rabbit pAb (P100956) at dilution of 1:100 (40 $\times$  lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunofluorescence analysis of PC-12 cells using PGC1 $\alpha$  Rabbit pAb (P100956) at dilution of 1:100 (40 $\times$  lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) at 1:500 dilution. Blue: DAPI for nuclear staining.