

Rabbit anti-Human PGC1alpha Polyclonal Antibody | anti-PGC1alpha antibody

[KD Validated] PGC1alpha Rabbit pAb

CATALOG # AAA282228	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, Western Blot
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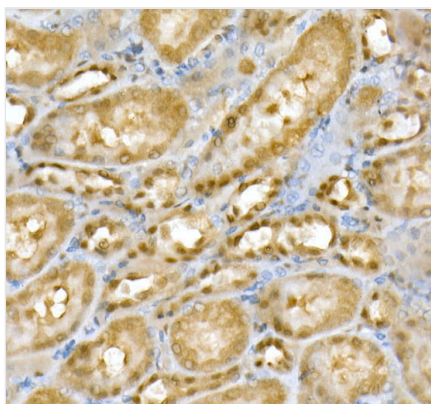
PRODUCT SYNONYMS

PGC1alpha; Polyclonal Antibody; [KD Validated] PGC1alpha Rabbit pAb; PPARGC1A; LEM6; PGC-1(alpha); PGC-1alpha; PGC-1v; PGC1; PGC1A; PPARGC1; PPARG coactivator 1 alpha; PGC1 alpha; anti-PGC1alpha antibody

PRODUCT SPECIFICATIONS

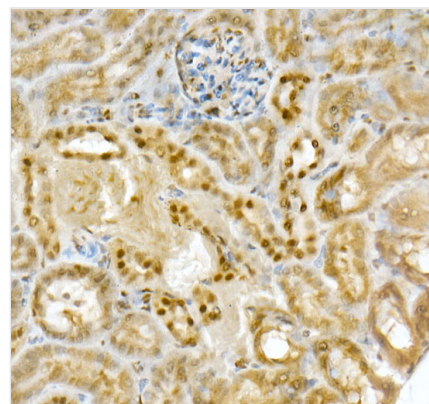
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.05% proclin300, 50% glycerol, pH7.3.
Applicable Applications for anti-PGC1alpha antibody	IHC (Immunohistochemistry), WB (Western Blot)
Positive Samples	HeLa, SH-SY5Y, Mouse skeletal muscle
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 600-700 of human PGC1alpha (NP_037393.1).
Cellular Location	cytoplasm, nucleoplasm, nucleus, PML body
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



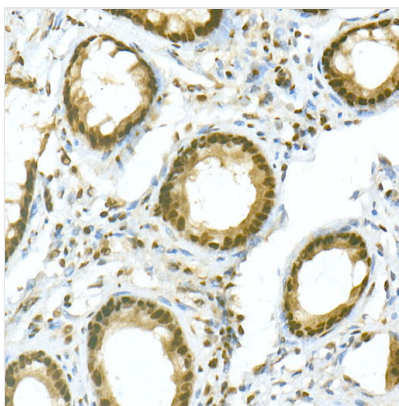
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded rat kidney using [KO Validated] PGC1alpha Rabbit pAb at dilution of 1:25 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



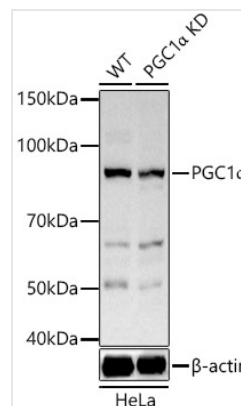
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded mouse kidney using [KO Validated] PGC1alpha Rabbit pAb at dilution of 1:25 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



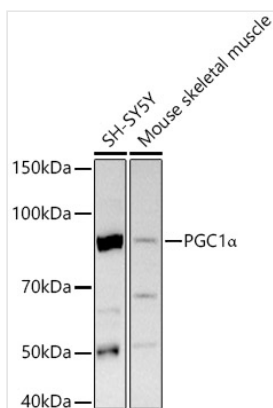
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human colon using [KO Validated] PGC1α Rabbit pAb at dilution of 1:25 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



WB (Western Blot)

Western blot analysis of extracts from wild type (WT) and PGC1α Rabbit pAb knockdown (KD) HeLa cells, using PGC1α Rabbit pAb antibody at 1:400 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 30s.



WB (Western Blot)

Western blot analysis of various lysates, using PGC1α Rabbit pAb antibody at 1:400 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 30s.

ADDITIONAL INFORMATION

Related Product Information for anti-PGC1α antibody

The protein encoded by this gene is a transcriptional coactivator that regulates the genes involved in energy metabolism. This protein interacts with PPARγ, 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.

Product Categories/Family for anti-PGC1α antibody

[Epigenetics & Nuclear Signaling](#); [Nuclear Receptor Signaling](#); [Cancer](#); [Signal Transduction](#); [mTOR Signaling Pathway](#); [Cell Biology & Developmental Biology](#); [Endocrine & Metabolism](#); [Mitochondrial metabolism](#); [Mitochondrial Biogenesis](#); [Nucleotide metabolism](#); [Mole](#)

NCBI AND UNIPROT INFORMATION

NCBI GeneID	10891
Molecular Weight	Observed MW: 100KDa Calculated MW: 14kDa/30kDa/31kDa/33kDa/77kDa/89kDa/91kDa

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

