



Datasheet for ABIN7533262
anti-PPARGC1A antibody



[Go to Product page](#)

4 Images

Overview

Quantity:	20 µL
Target:	PPARGC1A
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This PPARGC1A antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	PGC1α Rabbit mAb
Immunogen:	Recombinant protein of Human PGC1alpha.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Monoclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	PPARGC1A
Alternative Name:	PPARGC1A (PPARGC1A Products)
Background:	The protein encoded by this gene is a transcriptional coactivator that regulates the genes

Target Details

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.,PPARGC1A,LEM6,PGC-1(alpha),PGC-1alpha,PGC-1v,PGC1,PGC1A,PPARGC1,PPARG coactivator 1 alpha,PGC1 alpha,Epigenetics & Nuclear Signaling,Nuclear Receptor Signaling,Cancer,Signal Transduction,mTOR Signaling Pathway,Cell Biology & Developmental Biology,Endocrine & Metabolism,Mitochondrial metabolism,Mitochondrial Biogenesis,Nucleotide metabolism,Molecular processes,AMPK Signaling Pathway,Endocrine and metabolic diseases,Diabetes,Obesity,Neuroscience,Neurodegenerative Diseases,Cardiovascular,Lipids,Fatty Acids,PPARGC1A

Molecular Weight: 14kDa/30kDa/31kDa/33kDa/77kDa/89kDa/91kDa

Gene ID: 10891

UniProt: [Q9UBK2](#)

Pathways: [Intracellular Steroid Hormone Receptor Signaling Pathway](#), [Carbohydrate Homeostasis](#), [Regulation of Lipid Metabolism by PPARalpha](#), [Regulation of Carbohydrate Metabolic Process](#), [Smooth Muscle Cell Migration](#), [Brown Fat Cell Differentiation](#)

Application Details

Application Notes: WB,1:500 - 1:2000

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.

Preservative: Sodium azide

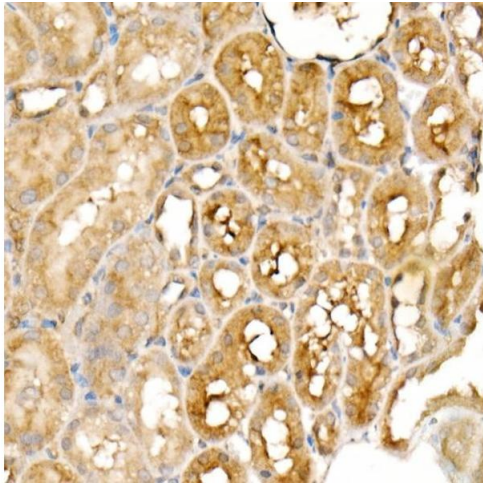
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C

Handling

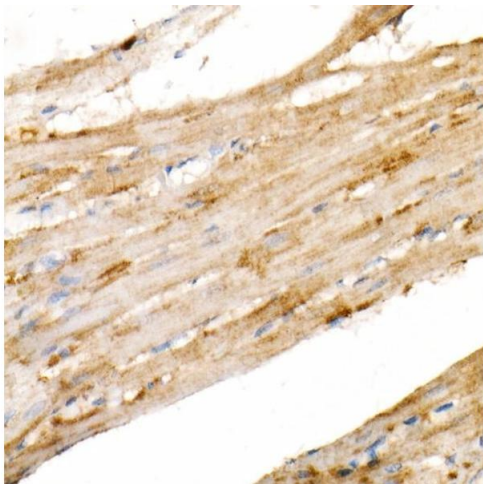
Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.

Images



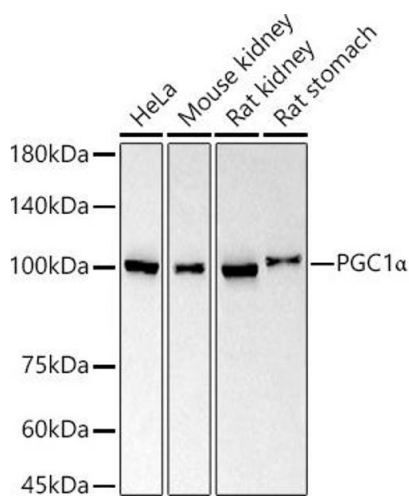
Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded rat kidney using PGC1α Rabbit mAb at dilution of 1:1000 (40x lens).



Immunohistochemistry

Image 2. Immunohistochemistry of paraffin-embedded rat heart using PGC1α Rabbit mAb at dilution of 1:1000 (40x lens).



Western Blotting

Image 3. Western blot analysis of extracts of various cell lines, using PGC1α antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) 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: 30s.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7533262.