

# PGC1 alpha Polyclonal Antibody

Product Details	
Size	100 µg
Species Reactivity	Human, Mouse, Rat
Published Species	Human
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	17 amino acid peptide near the amino terminus of human PPARGC1A
Form	Liquid
Concentration	1 mg/mL
Storage conditions	Maintain refrigerated at 2-8°C for up to 3 months. For long term storage store at -20°C
RRID	AB_2554626

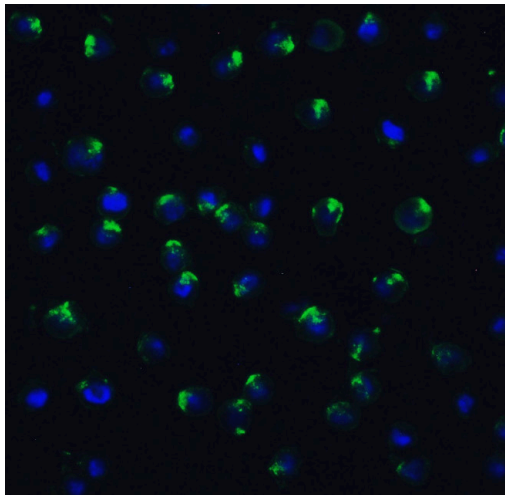
Applications	Tested Dilution	Publications
Western Blot (WB)	2 µg/mL	2 Publications
Immunohistochemistry (Paraffin) (IHC (P))	1-2 µg/mL	-
Immunocytochemistry (ICC/IF)	-	0 Publication

## Product Specific Information

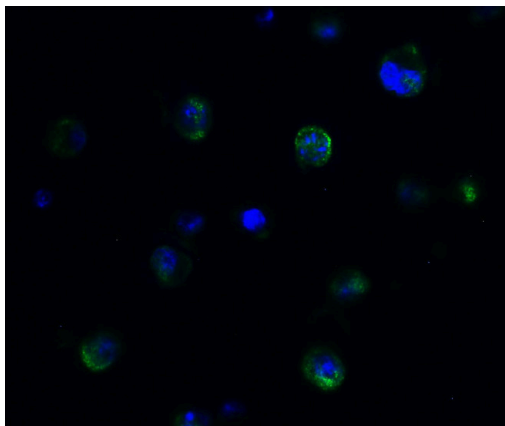
A recommended positive control is human heart tissue lysate.

At least three isoforms of PPARGC1A are known to exist; this antibody will detect all three isoforms.

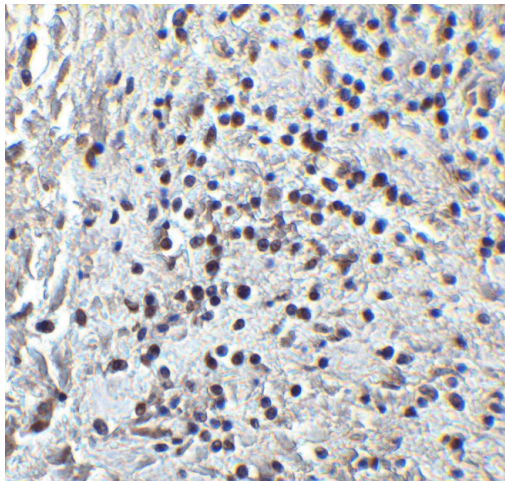
Product Images For PGC1 alpha Polyclonal Antibody



**PGC1 alpha Antibody (PA5-38022) in ICC/IF**  
Immunofluorescent analysis of 4% paraformaldehyde-fixed MCF7 cells labeling PPARGC1A with PGC1 alpha Polyclonal Antibody (Product # PA5-38022) at 20 µg/mL, followed by goat anti-rabbit IgG secondary antibody at 1:500 dilution (green) and DAPI staining (blue).



**PGC1 alpha Antibody (PA5-38022) in ICC/IF**  
Immunofluorescent analysis of 4% paraformaldehyde-fixed HeLa cells labeling PPARGC1A with PGC1 alpha Polyclonal Antibody (Product # PA5-38022) at 20 µg/mL, followed by goat anti-rabbit IgG secondary antibody at 1:500 dilution (green) and DAPI staining (blue).



**PGC1 alpha Antibody (PA5-38022) in IHC**  
Immunohistochemical analysis of paraffin-embedded human colon carcinoma tissue using PGC1 alpha Polyclonal Antibody (Product # PA5-38022) at 1 µg/mL. Tissue was fixed with formaldehyde and blocked with 0.1 serum for 1 h at RT; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody overnight at 4C. A goat anti-rabbit IgG H&L (HRP) at 1/250 was used as secondary. Counter stained with Hematoxylin.

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Western Blot (2)

<p>Aging and disease</p> <p><b>Nilotinib Improves Bioenergetic Profiling in Brain Astroglia in the 3xTg Mouse Model of Alzheimer's Disease.</b></p> <p>"PA5-38022 was used in Western Blotting to support a role for nilotinib in improving mitochondrial function and suggest that astroglia may be a key therapeutic target in treating AD."</p> <p>Authors: Adlimoghaddam A,Odero GG,Glazner G,Turner RS,Albensi BC</p>	<p>Year</p> <p>2021</p>
<p>Molecular therapy. Nucleic acids</p> <p><b>Increased Frataxin Expression Induced in Friedreich Ataxia Cells by Platinum TALE-VP64s or Platinum TALE-SunTag.</b></p> <p>"PA5-38022 was used in Western Blotting to show the aconitase activity was positively modulated by the frataxin level in mitochondria, and it was, thus, increased in vitro and in vivo by the increased frataxin expression."</p> <p>Authors: Cherif K,Gérard C,Rousseau J,Ouellet DL,Chapdelaine P,Tremblay JP</p>	<p>Year</p> <p>2018</p> <p>Species</p> <p>Human</p>

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