

Anti-PGC1 $\alpha$  Rabbit pAb

WL02123

For Research Use Only. Not For Use In Diagnostic Procedures

## Product Information

<b>Product name</b>	Anti-PGC1 $\alpha$ Rabbit pAb	
<b>Source</b>	Rabbit	
<b>Species reactivity</b>	Human, Mouse, Rat	
<b>Tested applications</b>	Western blot	1:1000-1:2000
	Immunohistochemistry	1:100-1:200
	<i>*Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own experiment using appropriate negative and positive controls.</i>	
<b>Molecular Wt.</b>	91 kDa	
<b>Pack size</b>	50/100/200/500/1000 $\mu$ l	
<b>Storage</b>	Store at -20°C. <b>Avoid freeze/thaw cycles.</b>	
<b>Storage buffer</b>	Supplied in 20 mM phosphate (pH 7.5), 150 mM NaCl, 100 $\mu$ g/ml BSA, 50% glycerol and less than 0.02% sodium azide	

## General Information

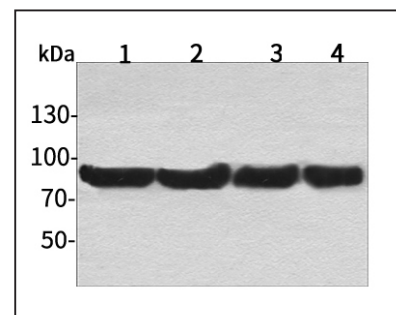
<b>Background</b>	PPARgamma co-activator-1 (PGC-1) is a transcriptional cofactor of nuclear respiratory factor-1 (NRF-1), PPARbeta, PPARalpha and other nuclear receptors that is induced by exposure to cold temperatures and is involved in regulating thermogenic gene expression, protein uncoupling, and mitochondrial biogenesis. PGC-1 has a low inherent transcriptional activity when it is not bound to a transcription factor. It may be also involved in controlling blood pressure, regulating cellular cholesterol homoeostasis, and the development of obesity.
<b>Immunogen</b>	Polyclonal antibody is produced by immunizing animals with a synthetic peptide of PGC1 $\alpha$ .
<b>Purification</b>	Polyclonal antibody was purified by Protein A affinity chromatography.

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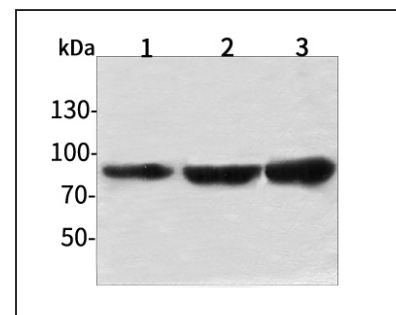
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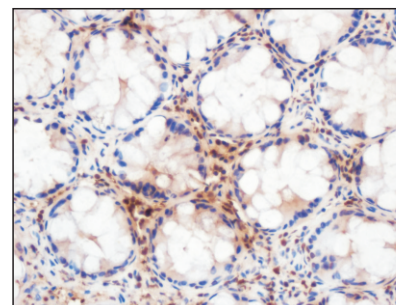
## Product Images

Western blot-Anti-PGC1 $\alpha$  pAb

Lane 1: Human HepG2 cell lysate 30 $\mu$ g  
 Lane 2: Human Hela cell lysate 30 $\mu$ g  
 Lane 3: Human BGC-823 cell lysate 30 $\mu$ g  
 Lane 4: Human MGC-803 cell lysate 30 $\mu$ g  
 Separation gel: 8% polyacrylamide  
 Electrophoresis: 100V, 4°C, 3h  
 Transmembrane: 100V, 4°C, 45min  
 Blocking: 5% w/v nonfat dry milk, 1 $\times$  TBST, at RT with gentle shaking  
 Primary antibody: 1:1000 in blocking buffer, 4°C, overnight  
 Visualization: ECL, 2min

Western blot-Anti-PGC1 $\alpha$  pAb

Lane 1: Mouse heart tissue lysate 30 $\mu$ g  
 Lane 2: Mouse liver tissue lysate 30 $\mu$ g  
 Lane 3: Rat brain tissue lysate 30 $\mu$ g  
 Separation gel: 8% polyacrylamide  
 Electrophoresis: 100V, 4°C, 3h  
 Transmembrane: 100V, 4°C, 45min  
 Blocking: 5% w/v nonfat dry milk, 1 $\times$  TBST, at RT with gentle shaking  
 Primary antibody: 1:1000 in blocking buffer, 4°C, overnight  
 Visualization: ECL, 2min

Immunohistochemistry-Anti-PGC1 $\alpha$  pAb

Sample: Human colon cancer tissue  
 Antigen retrieval: pH 6.0 citrate buffer  
 Primary antibody: 1:200, 4°C, overnight  
 Secondary antibody-Biotin: 1:150, 37°C, 1h  
 Streptavidin-HRP: 1:200, 37°C, 30min  
 Color Developing: DAB