

# Product Datasheet

## PGC1 alpha Antibody NB100-1750

Unit Size: 0.1 ml

Store at 4C. Do not freeze.

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**NB100-1750**

PGC1 alpha Antibody

Product Information	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	0.25 mg/ml
<b>Storage</b>	Store at 4C. Do not freeze.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.09% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Immunogen affinity purified
<b>Buffer</b>	TBS and 0.1% BSA
<b>Target Molecular Weight</b>	91 kDa

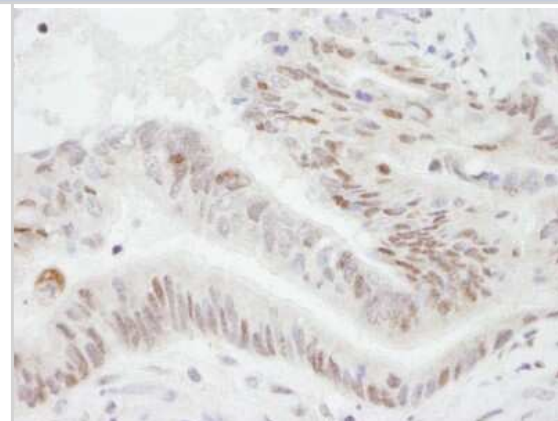
Product Description	
<b>Host</b>	Rabbit
<b>Gene ID</b>	10891
<b>Gene Symbol</b>	PPARGC1A
<b>Species</b>	Human, Mouse
<b>Reactivity Notes</b>	Mouse reactivity reported in scientific literature (PMID: 23892277).
<b>Specificity/Sensitivity</b>	The epitope recognized by PGC1 alpha Antibody maps to a region between residue 250 and 300 of human PGC1 alpha using the numbering given in SwissProt entry Q9UBK2 (Gene ID: 10891).
<b>Immunogen</b>	The immunogen recognized by this PGC1 alpha Antibody maps to a region between residue 250 and 300 of human peroxisome proliferative activated receptor, gamma, coactivator 1, alpha using the numbering given in SwissProt entry Q9UBK2 (Gene ID 10891).

Product Application Details	
<b>Applications</b>	Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	Western Blot, Immunohistochemistry 1:100-1:500, Immunohistochemistry-Paraffin 1:100-1:500
<b>Application Notes</b>	Use in WB reported in scientific literature (PMID: 27875805). Epitope exposure is recommended. Epitope exposure with citrate buffer will enhance staining. Likely to work with frozen sections. In some cases, the antibody may be diluted further than indicated.

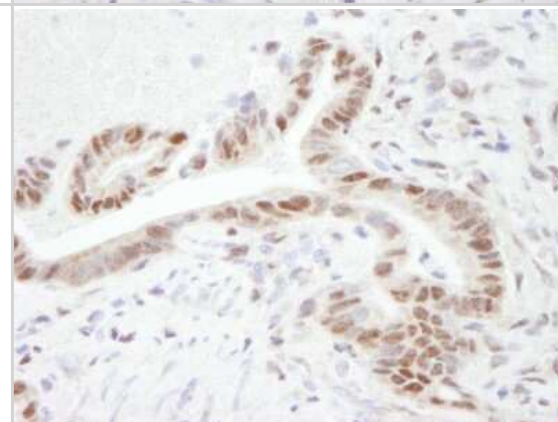


## Images

Immunohistochemistry-Paraffin: PGC1 alpha Antibody [NB100-1750] - Section of human colon adenocarcinoma. Antibody: Affinity purified rabbit PGC1 alpha Antibody used at a dilution of 1:250. Detection: DAB



Immunohistochemistry-Paraffin: PGC1 alpha Antibody [NB100-1750] - Section of human stomach adenocarcinoma. Antibody: Affinity purified rabbit PGC1 alpha Antibody used at a dilution of 1:250. Detection: DAB



## Publications

Gioscia-Ryan RA, Battson ML, Cuevas LM et al. Voluntary aerobic exercise increases arterial resilience and mitochondrial health with aging in mice. *Aging (Albany NY)*. 2016-11-22 [PMID: 27875805] (WB, Mouse)

Feigerlova E, Demarquet L, Melhem H et al. Methyl donor deficiency impairs bone development via peroxisome proliferator-activated receptor-gamma coactivator-1 alpha -dependent vitamin D receptor pathway *FASEB J*. 2016-07-19 [PMID: 27435264]

Ivanova MM, Radde BN, Son J, Mehta FF et al. Estradiol and tamoxifen regulate NRF-1 and mitochondrial function in mouse mammary gland and uterus. *Society for Endocrinology*. 2010-09-10 [PMID: 23892277] (IF/IHC, Mouse)



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### **Products Related to NB100-1750**

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HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
H00010891-Q01-10ug	Recombinant Human PGC1 alpha GST (N-Term) Protein

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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