

# Product Datasheet

## PGC1 alpha Antibody NB100-1750

Unit Size: 0.1 ml

Store at 4C. Do not freeze.

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### Publications: 3

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**NB100-1750**

PGC1 alpha Antibody

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

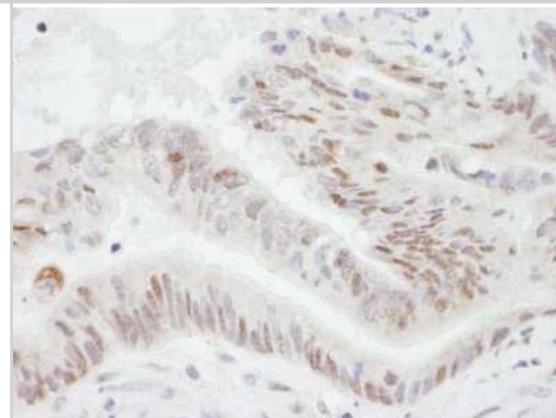
Product Description	
Description	Novus Biologicals Rabbit PGC1 alpha Antibody (NB100-1750) is a polyclonal antibody validated for use in IHC and WB. Anti-PGC1 alpha Antibody: Cited in 3 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	10891
Gene Symbol	PPARGC1A
Species	Human, Mouse
Reactivity Notes	Mouse reactivity reported in scientific literature (PMID: 23892277).
Specificity/Sensitivity	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).
Immunogen	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	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry
Recommended Dilutions	Western Blot, Immunohistochemistry 1:100-1:500, Immunohistochemistry-Paraffin 1:100-1:500
Application Notes	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.

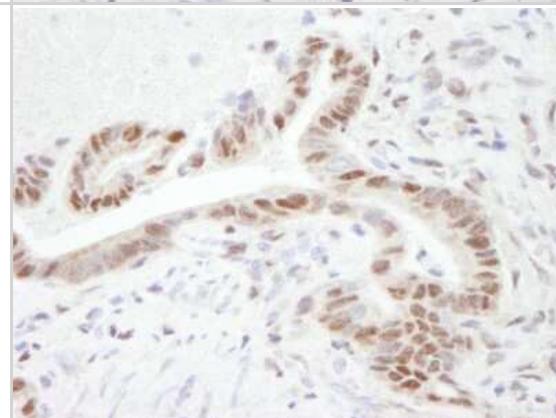


## Images

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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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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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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