

# Product Datasheet

## COX3 Antibody - BSA Free

### NBP1-88063

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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**NBP1-88063**

COX3 Antibody - BSA Free

**Product Information**

<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.02% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Immunogen affinity purified
<b>Buffer</b>	PBS (pH 7.2) and 40% Glycerol

**Product Description**

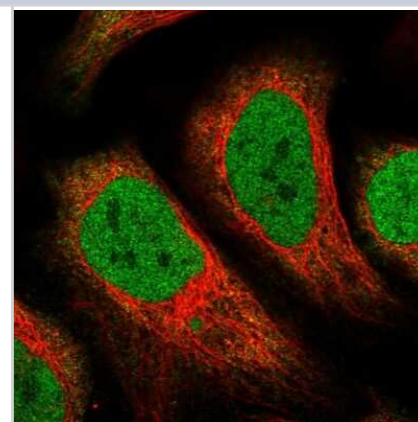
<b>Host</b>	Rabbit
<b>Gene ID</b>	4514
<b>Gene Symbol</b>	COX3
<b>Species</b>	Human
<b>Reactivity Notes</b>	Immunogen displays the following percentage of sequence identity for non-tested species: Mouse (81%), Rat (85%)
<b>Immunogen</b>	This antibody was developed against Recombinant Protein corresponding to amino acids: YHSSLAPTPQLGGHWPPTGITPLNPL

**Product Application Details**

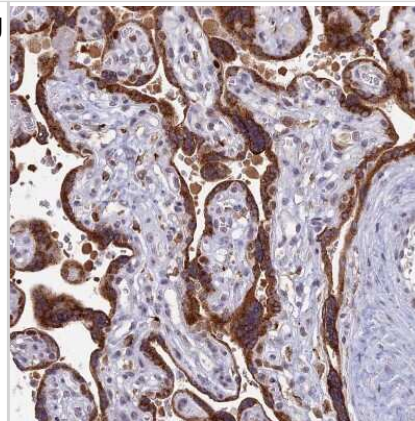
<b>Applications</b>	Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	Immunohistochemistry 1:50 - 1:200, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:50 - 1:200
<b>Application Notes</b>	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: Use PFA/Triton X-100.

**Images**

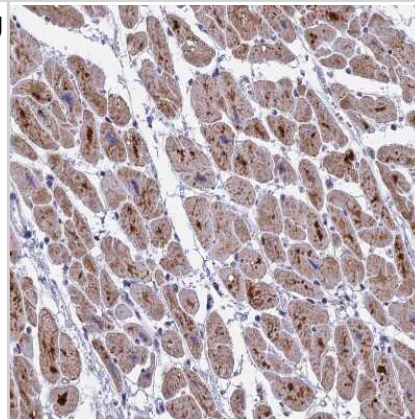
Immunocytochemistry/Immunofluorescence: COX3 Antibody [NBP1-88063] - Staining of human cell line U-2 OS shows localization to nucleoplasm. Antibody staining is shown in green.



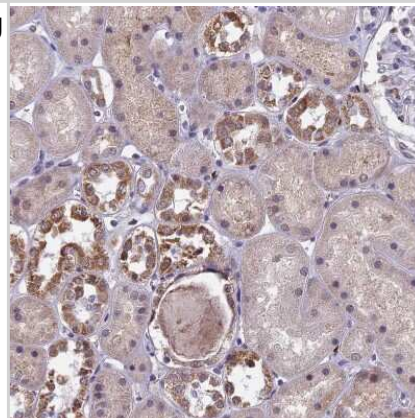
Immunohistochemistry-Paraffin: COX3 Antibody [NBP1-88063] - Staining of human placenta shows strong granular cytoplasmic positivity in trophoblastic cells.



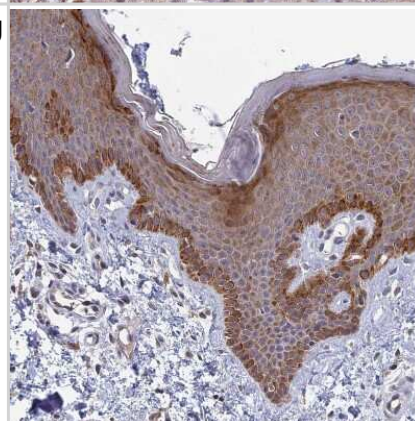
Immunohistochemistry-Paraffin: COX3 Antibody [NBP1-88063] - Staining of human heart muscle shows moderate to strong granular cytoplasmic positivity in cardiomyocytes.



Immunohistochemistry-Paraffin: COX3 Antibody [NBP1-88063] - Staining of human kidney shows moderate to strong granular cytoplasmic positivity in cells in tubules.



Immunohistochemistry-Paraffin: COX3 Antibody [NBP1-88063] - Staining of human skin shows moderate to strong granular cytoplasmic positivity in squamous epithelial cells.



## Publications

Chengxian Xu, Lingxiao Tong, Jia Rao, Qing Ye, Yuxia Chen, Yingying Zhang, Jie Xu, Xiaoting Mao, Feilong Meng, Huijun Shen, Zhihong Lu, Xiaohui Cang, Haidong Fu, Shugang Wang, Weiyue Gu, En-Yin Lai, Min-Xin Guan, Pingping Jiang, Jianhua Mao Heteroplasmic and homoplasmic m.616T>C in mitochondria tRNA Phe promote isolated chronic kidney disease and hyperuricemia JCI Insight 2022-06-08 [PMID: 35472031]



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### **Products Related to NBP1-88063**

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NBP1-88063PEP	COX3 Recombinant Protein Antigen
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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