

# Product Datasheet

## COX-1 Antibody (SC68-05)

### NBP2-67643

Unit Size: 100 ul

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

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Updated 2/24/2026 v.20.1

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**NBP2-67643**

COX-1 Antibody (SC68-05)

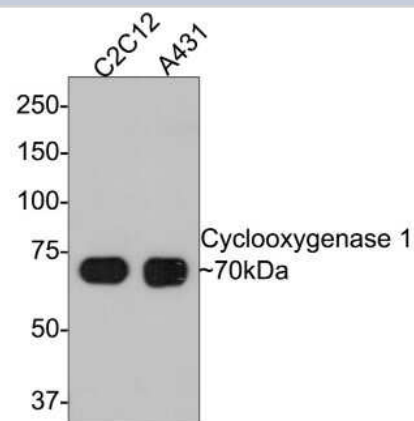
Product Information	
Unit Size	100 ul
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	SC68-05
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Protein A purified
Buffer	TBS (pH7.4), 0.05% BSA, 40% Glycerol

Product Description	
Description	Novus Biologicals Rabbit COX-1 Antibody (SC68-05) (NBP2-67643) is a recombinant monoclonal antibody validated for use in IHC, WB, Flow, ICC/IF and IP. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	5742
Gene Symbol	PTGS1
Species	Human, Mouse, Rat
Immunogen	Synthetic peptide within Human COX-1 aa 116-159 / 599. (SwissProt: P23219 Human; SwissProt: P22437 Mouse; SwissProt: Q63921 Rat)

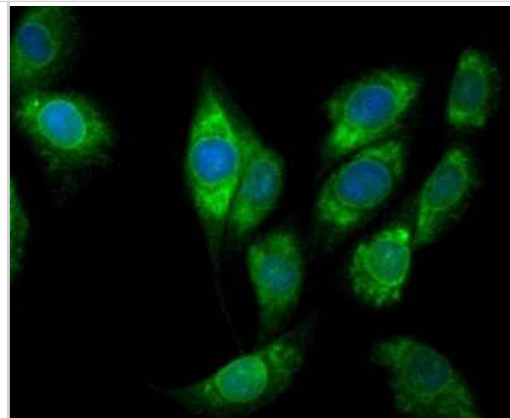
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunoprecipitation
Recommended Dilutions	Western Blot 1:1000-1:5000, Flow Cytometry 1:50-1:100, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1:100-1:500, Immunoprecipitation, Immunohistochemistry-Paraffin 1:50-1:1000

**Images**

Western Blot: COX-1 Antibody (SC68-05) [NBP2-67643] - Analysis of COX-1 on different lysates with Rabbit anti-COX-1 antibody at 1/1,000 dilution. Lane 1: C2C12 cell lysate Lane 2: A431 cell lysate Lysates/proteins at 10 ug/Lane. Predicted band size: 69 kDa Observed band size: 70 kDa Exposure time: 2 minutes; 8% SDS-PAGE gel. Proteins were transferred to a PVDF membrane and blocked with 5% NFDN/TBST for 1 hour at room temperature. The primary antibody at 1/1,000 dilution was used in 5% NFDN/TBST at room temperature for 2 hours. Goat Anti-Rabbit IgG - HRP Secondary Antibody at 1:300,000 dilution was used for 1 hour at room temperature.



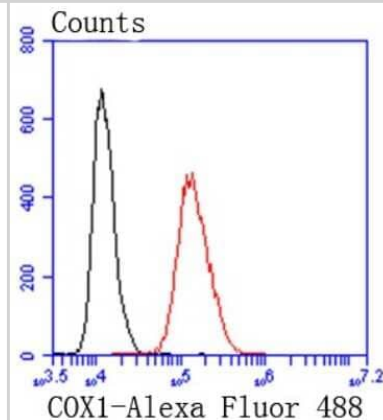
Immunocytochemistry/Immunofluorescence: COX-1 Antibody (SC68-05) [NBP2-67643] - Staining COX1 in L6 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



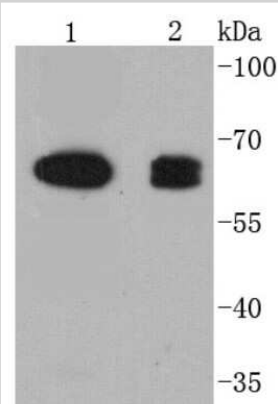
Immunohistochemistry-Paraffin: COX-1 Antibody (SC68-05) [NBP2-67643] - Analysis of paraffin-embedded human skin tissue with Rabbit anti-COX-1 antibody. The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 20 minutes. The tissues were blocked in 1% BSA for 20 minutes at room temperature, washed with ddH<sub>2</sub>O and PBS, and then probed with the primary antibody for 1 hour at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.



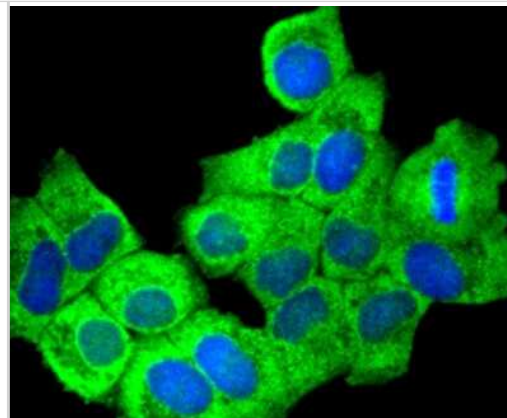
Flow Cytometry: COX-1 Antibody (SC68-05) [NBP2-67643] - Analysis of HeLa cells with COX1 antibody at 1/50 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody.



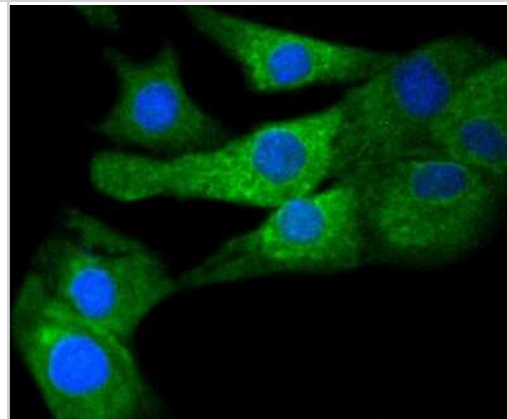
Western Blot: COX-1 Antibody (SC68-05) [NBP2-67643] - Analysis of COX1 on different lysates using anti-COX1 antibody at 1/1,000 dilution. Positive control: Lane 1: C2C12 Lane 2: A431



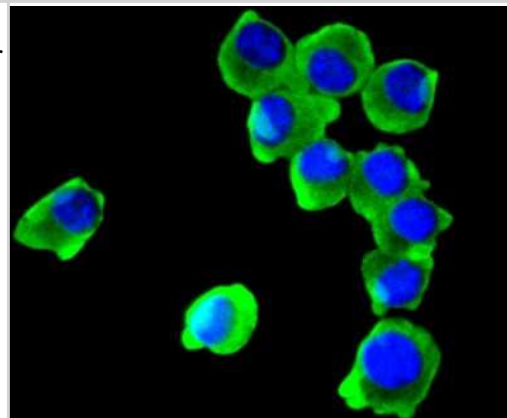
Immunocytochemistry/Immunofluorescence: COX-1 Antibody (SC68-05) [NBP2-67643] - Staining COX1 in Hela cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



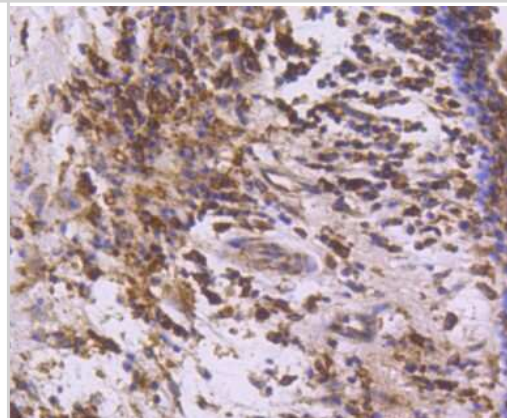
Immunocytochemistry/Immunofluorescence: COX-1 Antibody (SC68-05) [NBP2-67643] - Staining COX1 in C2C12 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



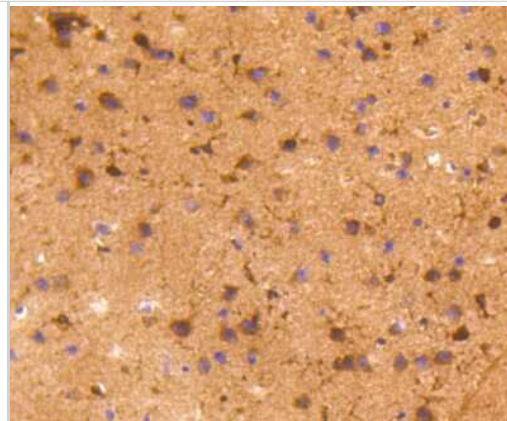
Immunocytochemistry/Immunofluorescence: COX-1 Antibody (SC68-05) [NBP2-67643] - Staining COX1 in N2A cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



Immunohistochemistry-Paraffin: COX-1 Antibody (SC68-05) [NBP2-67643] - Analysis of paraffin-embedded human breast cancer tissue using anti-COX1 antibody. Counter stained with hematoxylin.



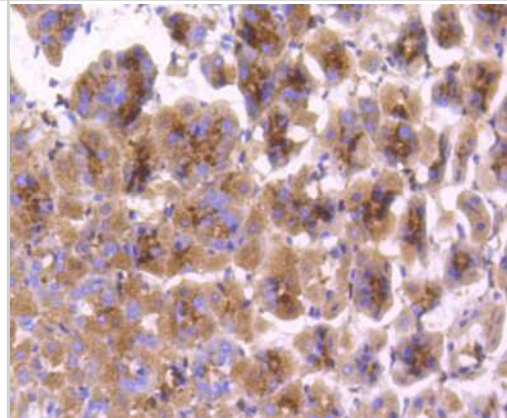
Immunohistochemistry-Paraffin: COX-1 Antibody (SC68-05) [NBP2-67643] - Analysis of paraffin-embedded mouse brain tissue using anti-COX1 antibody. Counter stained with hematoxylin.



Immunohistochemistry-Paraffin: COX-1 Antibody (SC68-05) [NBP2-67643] - Analysis of paraffin-embedded mouse skin tissue using anti-COX1 antibody. Counter stained with hematoxylin.



Immunohistochemistry-Paraffin: COX-1 Antibody (SC68-05) [NBP2-67643] - Analysis of paraffin-embedded mouse stomach tissue using anti-COX1 antibody. Counter stained with hematoxylin.





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### **Products Related to NBP2-67643**

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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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