

# Product Datasheet

## COX4 Antibody (CL3497) - Azide and BSA Free NBP3-43962

Unit Size: 100 ug

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

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**NBP3-43962**

COX4 Antibody (CL3497) - Azide and BSA Free

Product Information	
Unit Size	100 ug
Concentration	LYOPH mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	CL3497
Preservative	No Preservative
Reconstitution Instructions	Centrifuge the vial of lyophilized antibody at 12,000 x g for 20 seconds. Reconstitute by adding sterile, distilled water to achieve a final antibody concentration of 1mg/ml.
Isotype	IgG1
Purity	Protein A purified
Buffer	Lyophilized from a 0.2 um filtered solution in PBS with Trehalose

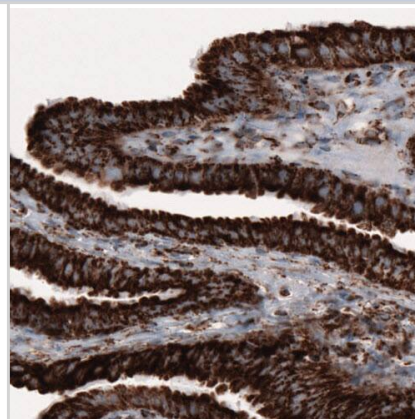
Product Description	
Description	Novus Biologicals Mouse COX4 Antibody (CL3497) - Azide and BSA Free (NBP2-78718) is a monoclonal antibody validated for use in IHC, WB and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	1327
Gene Symbol	COX4I1
Species	Human, Mouse, Rat
Immunogen	This antibody was generated using a recombinant protein sequence of P13073, with the exact immunogen sequence remaining proprietary.

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence
Recommended Dilutions	Western Blot 1 ug/ml, Immunocytochemistry/ Immunofluorescence 2-10 ug/ml, Immunohistochemistry-Paraffin 1:5000 - 1:10000
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. For Immunocytochemistry/ Immunofluorescence/IF, PFA/Triton X-100 is recommended for fixation/permeabilization.

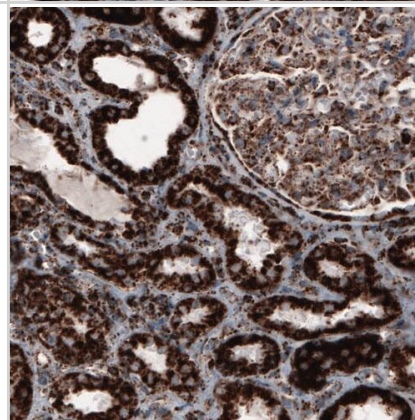


## Images

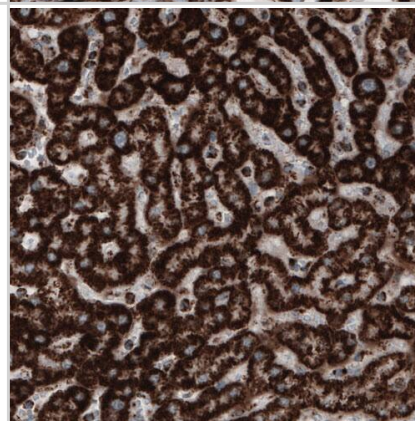
Staining of human fallopian tube shows strong cytoplasmic positivity in epithelial cells.



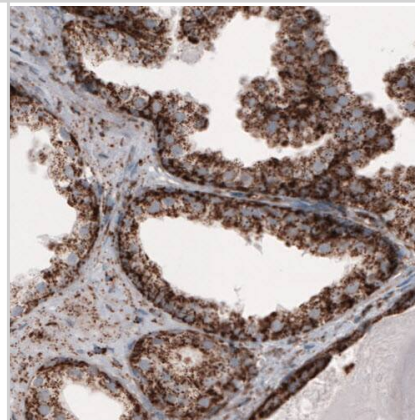
Staining of human kidney shows strong cytoplasmic positivity in renal tubules and glomerulus cells.



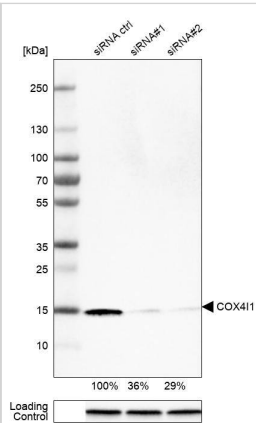
Staining of human liver shows strong cytoplasmic positivity in hepatocytes.



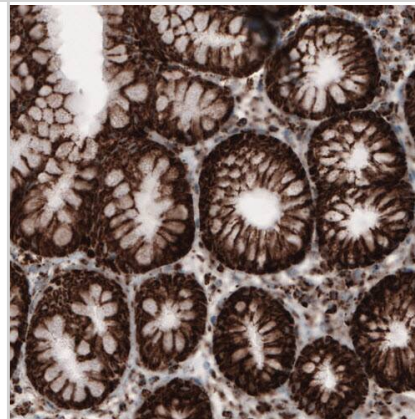
Staining of human prostate shows strong cytoplasmic immunoreactivity in epithelial cells.



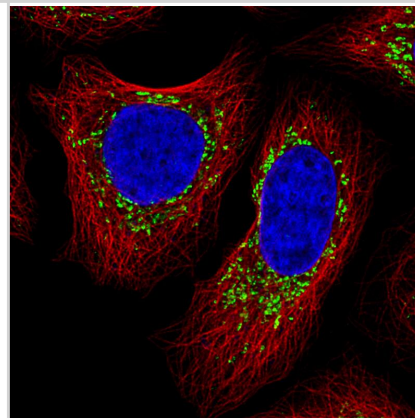
Analysis in U-251MG cells transfected with control siRNA, target specific siRNA probe #1 and #2, using Anti-COX4 antibody. Remaining relative intensity is presented. Loading control: Anti-GAPDH.



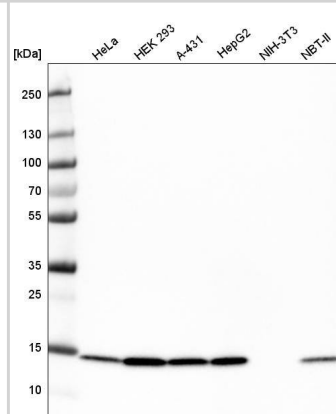
Staining of human stomach shows strong cytoplasmic immunoreactivity in glandular epithelium cells.



Staining of MCF7 cells using the Anti-COX4 monoclonal antibody).



Analysis in human cell line HeLa, human cell line HEK 293, human cell line A-431, human cell line HepG2, mouse cell line NIH-3T3 and rat cell line NBT-II.





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### **Products Related to NBP3-43962**

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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)

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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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