

Product Datasheet

COX4 Antibody (CL3497) - BSA Free NBP2-78718

Unit Size: 100 ul

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

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NBP2-78718

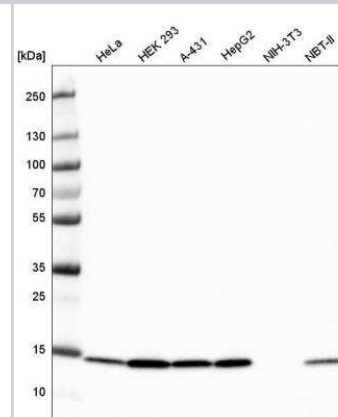
COX4 Antibody (CL3497) - BSA Free

Product Information	
Unit Size	100 ul
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	CL3497
Preservative	0.02% Sodium Azide
Isotype	IgG1
Purity	Protein A purified
Buffer	PBS (pH 7.2) and 40% Glycerol
Product Description	
Description	Novus Biologicals Mouse COX4 Antibody (CL3497) - 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
Reactivity Notes	Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Mouse-On-Mouse blocking reagent may be needed for IHC and ICC experiments to reduce high background signal. You can find these reagents under catalog numbers PK-2200-NB and MP-2400-NB. Please contact Technical Support if you have any questions
Immunogen	This antibody was developed using a recombinant protein derived from P13073, with the exact immunogen sequence remaining proprietary.
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Knockdown Validated
Recommended Dilutions	Western Blot 1 ug/ml, Immunohistochemistry 1:5000 - 1:10000, Immunocytochemistry/ Immunofluorescence 2-10 ug/ml, Immunohistochemistry-Paraffin 1:5000 - 1:10000, Knockdown Validated
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. For ICC/IF, PFA/Triton X-100 is recommended for fixation/permeabilization.

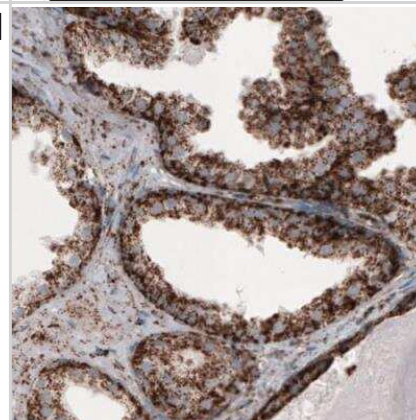


Images

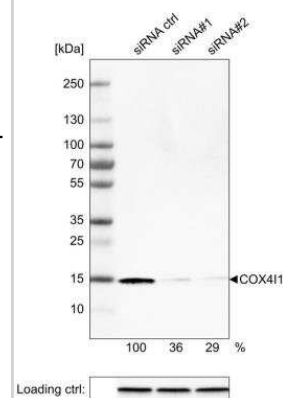
Western Blot: COX4 Antibody (CL3497) [NBP2-78718] - Analysis in human cell line HeLa, human cell line HEK 293, human cell line A-431, human cell line HepG2, mouse cell line NIH-3T3 and rat cell line NBT-II.



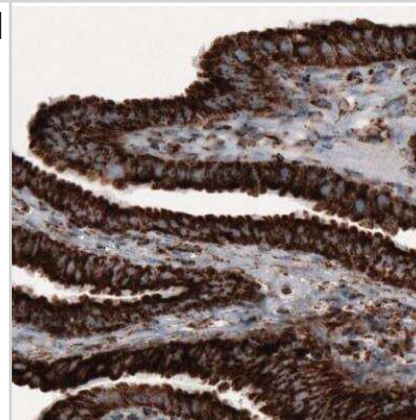
Immunohistochemistry-Paraffin: COX4 Antibody (CL3497) [NBP2-78718] - Staining of human prostate shows strong cytoplasmic immunoreactivity in epithelial cells.



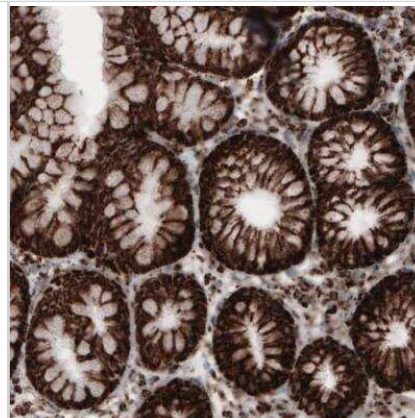
Western Blot: COX4 Antibody (CL3497) [NBP2-78718] - Analysis of extracts from U-251 cells, transfected with: control siRNA, target specific siRNA probe #1, target specific siRNA probe #2, using Anti-COX4I1 monoclonal antibody. Downregulation of antibody signal confirms target specificity. Remaining % intensity, relative control lane, is indicated. Anti-GAPDH monoclonal antibody was used as loading control.



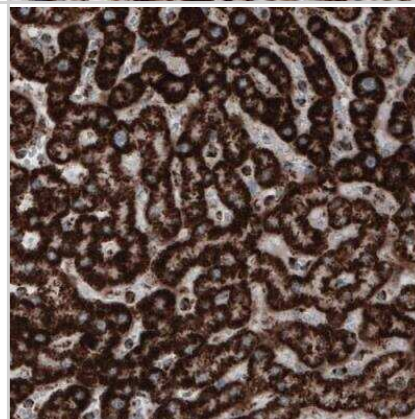
Immunohistochemistry-Paraffin: COX4 Antibody (CL3497) [NBP2-78718] - Staining of human fallopian tube shows strong cytoplasmic positivity in epithelial cells.



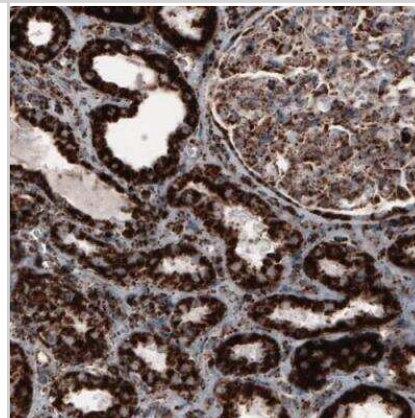
Immunohistochemistry-Paraffin: COX4 Antibody (CL3497) [NBP2-78718]
- Staining of human stomach shows strong cytoplasmic immunoreactivity in glandular epithelium cells.



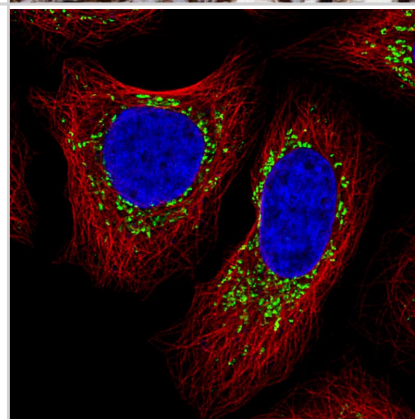
Immunohistochemistry-Paraffin: COX4 Antibody (CL3497) [NBP2-78718]
- Staining of human liver shows strong cytoplasmic positivity in hepatocytes.



Immunohistochemistry-Paraffin: COX4 Antibody (CL3497) [NBP2-78718]
- Staining of human kidney shows strong cytoplasmic positivity in renal tubules and glomerulus cells.



Staining of MCF7 cells using the Anti-COX4I1 monoclonal antibody, showing specific staining in mitochondria in green. Microtubule- and nuclear probes are visualized in red and blue, respectively (where available).





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Products Related to NBP2-78718

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
NB110-39115PEP	COX4 Antibody Blocking Peptide

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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