

# Product Datasheet

## OXCT1 Antibody - BSA Free

### NBP2-49331

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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**NBP2-49331**

OXCT1 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**

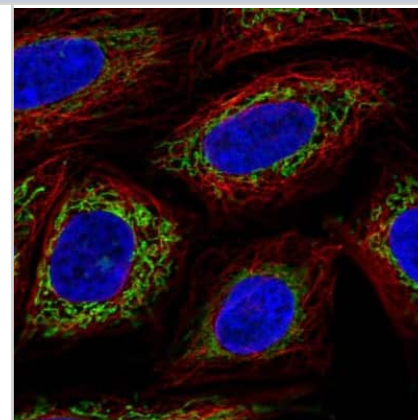
|                    |                                                                                                                                                                                                   |
|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Description</b> | Novus Biologicals Rabbit OXCT1 Antibody - BSA Free (NBP2-49331) is a polyclonal antibody validated for use in IHC and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee. |
| <b>Host</b>        | Rabbit                                                                                                                                                                                            |
| <b>Gene ID</b>     | 5019                                                                                                                                                                                              |
| <b>Gene Symbol</b> | OXCT1                                                                                                                                                                                             |
| <b>Species</b>     | Human                                                                                                                                                                                             |
| <b>Immunogen</b>   | This antibody was developed against a recombinant protein corresponding to amino acids: ATWYKGCVCSFSTSAHRHTKFYTDPEAVKDIPDGA                                                                       |

**Product Application Details**

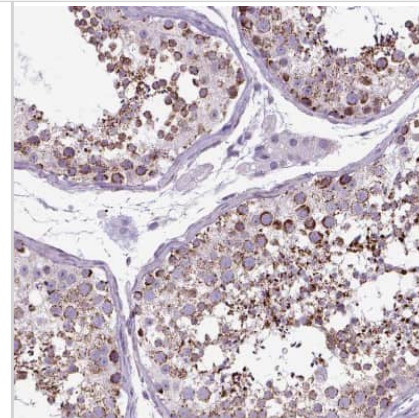
|                              |                                                                                                                                                  |
|------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Applications</b>          | Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry                                                     |
| <b>Recommended Dilutions</b> | Immunohistochemistry 1:200 - 1:500, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:200 - 1:500            |
| <b>Application Notes</b>     | For IHC-Paraffin, HIER pH 6 retrieval is recommended.<br>Immunocytochemistry/Immunofluorescence Fixation Permeabilization: Use PFA/Triton X-100. |

**Images**

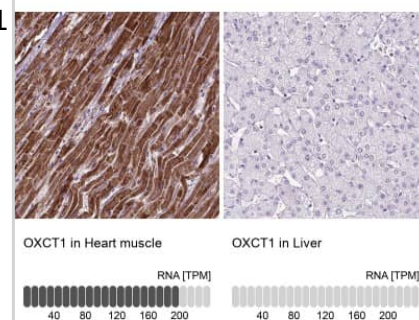
Immunocytochemistry/Immunofluorescence: OXCT1 Antibody [NBP2-49331] - Immunofluorescent staining of human cell line SiHa shows localization to mitochondria.



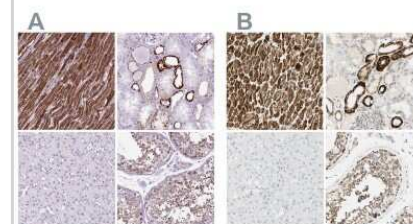
Immunohistochemistry-Paraffin: OXCT1 Antibody [NBP2-49331] - Staining of human testis shows strong cytoplasmic positivity in cells in seminiferous ducts.



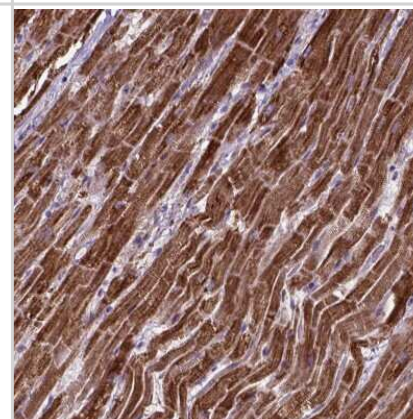
Immunohistochemistry-Paraffin: OXCT1 Antibody [NBP2-49331] - Analysis in human heart muscle and liver tissues. Corresponding OXCT1 RNA-seq data are presented for the same tissues.



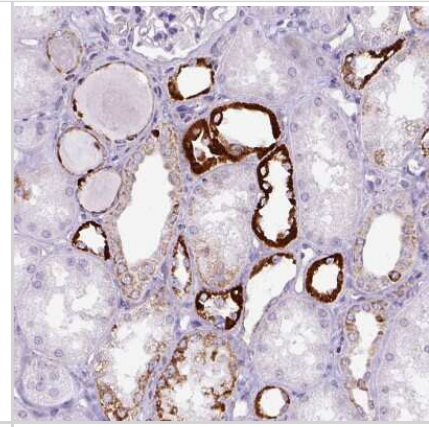
Immunohistochemistry-Paraffin: OXCT1 Antibody [NBP2-49331] - Staining of human heart muscle, kidney, liver and testis using Anti-OXCT1 antibody NBP2-49331 (A) shows similar protein distribution across tissues to independent antibody NBP1-82462 (B).



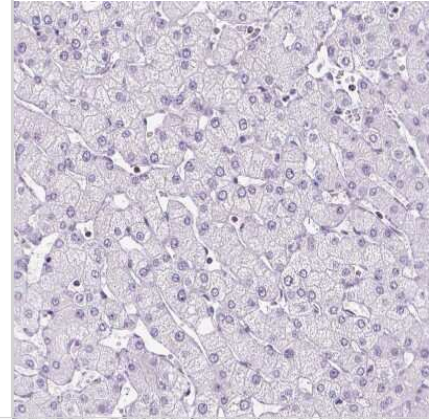
Immunohistochemistry-Paraffin: OXCT1 Antibody [NBP2-49331] - Staining of human heart muscle shows strong cytoplasmic positivity in cardiomyocytes.



Immunohistochemistry-Paraffin: OXCT1 Antibody [NBP2-49331] -  
Staining of human kidney shows strong cytoplasmic positivity in cells in  
tubules.



Immunohistochemistry-Paraffin: OXCT1 Antibody [NBP2-49331] -  
Staining of human liver shows no positivity in hepatocytes as expected.





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### **Products Related to NBP2-49331**

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|               |                                                     |
|---------------|-----------------------------------------------------|
| NBP2-49331PEP | OXCT1 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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