

# Product Datasheet

## Occludin Antibody (CL1555) - Azide and BSA Free NBP3-43902

Unit Size: 100 ug

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

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**NBP3-43902**

Occludin Antibody (CL1555) - Azide and BSA Free

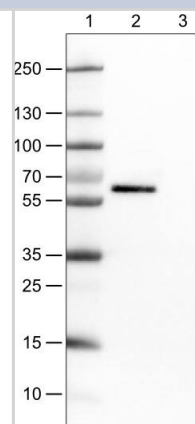
| Product Information         |  |
|-----------------------------|--|
| Unit Size                   | 100 ug   |
| Concentration               | LYOPH mg/ml  |
| Storage                     | Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.   |
| Clonality                   | Monoclonal   |
| Clone                       | CL1555   |
| 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                     | IgG2a  |
| Purity                      | Protein A purified   |
| Buffer                      | Lyophilized from a 0.2 um filtered solution in PBS with Trehalose  |

| Product Description |  |
|---------------------|--|
| Description         | Novus Biologicals Mouse Occludin Antibody (CL1555) - Azide and BSA Free (NBP2-52971) 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             | 100506658  |
| Gene Symbol         | OCLN   |
| Species             | Human  |
| Immunogen           | This antibody was generated using a recombinant protein sequence of Q16625, with the exact immunogen sequence remaining proprietary.   |

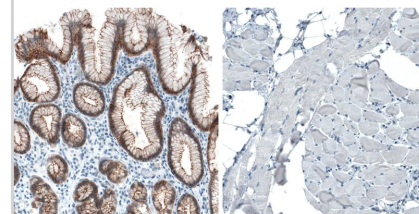
| Product Application Details |  |
|-----------------------------|--|
| Applications                | Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence  |
| Recommended Dilutions       | Western Blot 1 ug/ml, Immunocytochemistry/ Immunofluorescence 2-10 ug/ml, Immunohistochemistry-Paraffin 1:1000 - 1:2500                      |
| Application Notes           | For IHC-Paraffin, HIER pH 6 retrieval is recommended. Immunocytochemistry/Immunofluorescence/IF Fixation/Permeabilization: PFA/Triton X-100. |

**Images**

Lane 1: Marker [kDa]  
 Lane 2: Human cell line CACO-2  
 Lane 3: Human cell line U-87

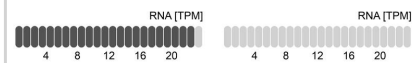


Analysis in human stomach and skeletal muscle tissues using NBP3-43902 antibody. Corresponding Occludin RNA-seq data are presented for the same tissues.

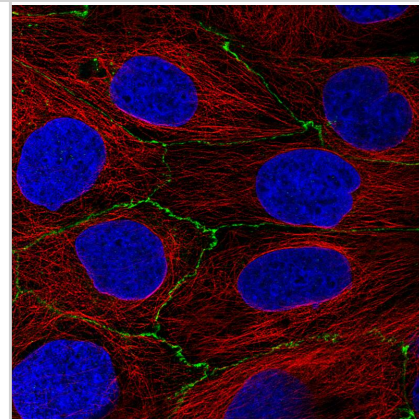


OCLN in Stomach

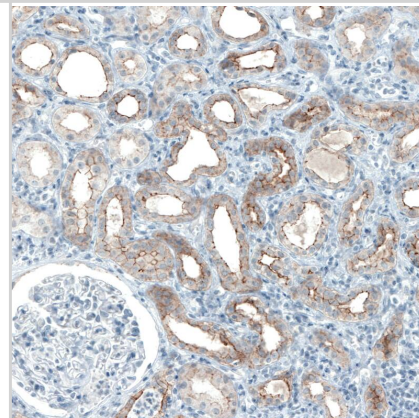
OCLN in Skeletal muscle



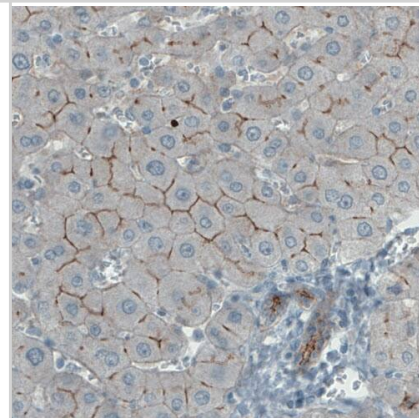
Staining of CACO-2 cells using the Anti-Occludin monoclonal antibody) .



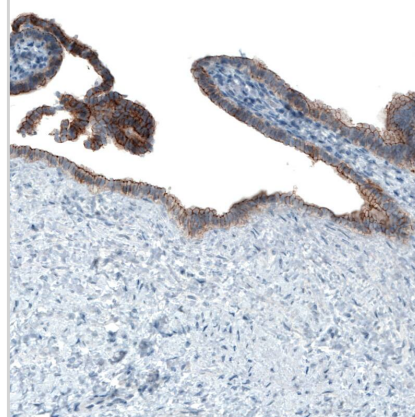
Staining of human kidney shows moderate to strong positivity in apical membrane in cells in tubules.



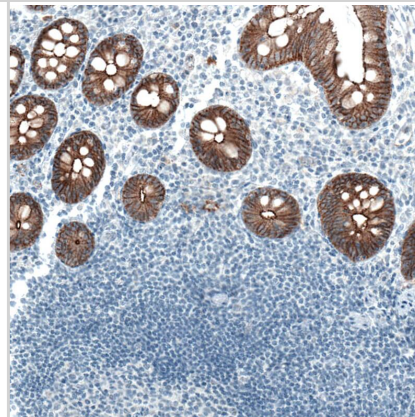
Staining of human liver shows membranous immunoreactivity in hepatocytes.



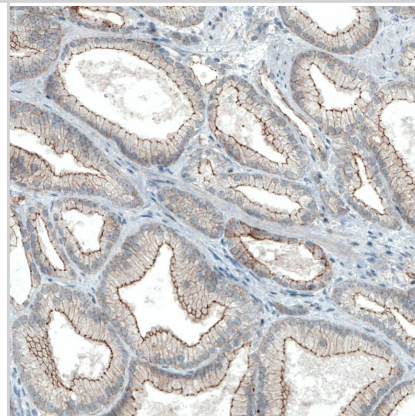
Staining of human fallopian tube shows strong positivity in apical membrane in glandular cells.



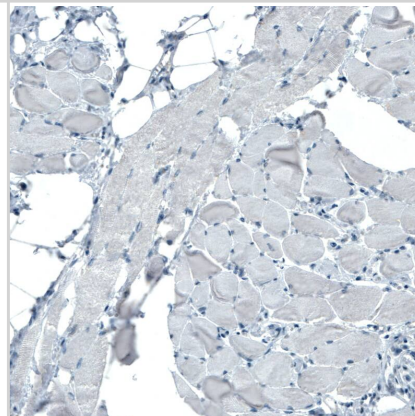
Staining of human colon shows strong membranous positivity in glandular cells.



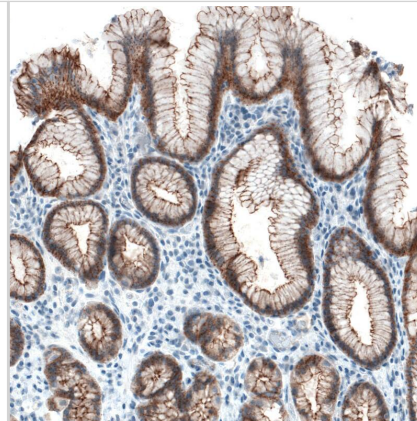
Staining of human prostate cancer shows strong apical membrane positivity in tumor cells.



Staining of human skeletal muscle shows no positivity in myocytes as expected.



Staining of human stomach shows strong positivity in apical membrane in glandular cells.





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### **Products Related to NBP3-43902**

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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] |
| NBP1-96778  | Mouse IgG2a Isotype Control (M2A)                  |

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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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