

# Product Datasheet

## Occludin Antibody (CL1608) - Azide and BSA Free NBP3-43904

Unit Size: 100 ug

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

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**NBP3-43904**

Occludin Antibody (CL1608) - Azide and BSA Free

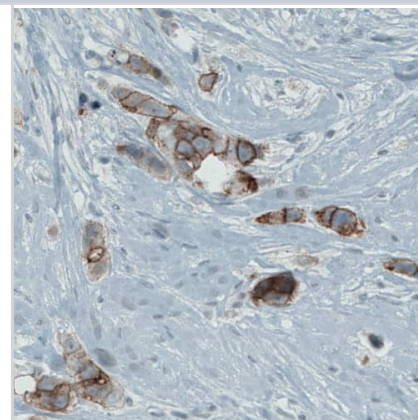
Product Information	
Unit Size	100 ug
Concentration	LYOPH mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	CL1608
Preservative	No Preservative
Reconstitution Instructions	Centrifuge the vial of lyophilized antibody at 12,000 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	
Host	Mouse
Gene ID	100506658
Gene Symbol	OCLN
Species	Human, Mouse
Reactivity Notes	Immunogen displays the following percentage of sequence identity for non-tested species: Rat (83%). Use in Mouse reported in scientific publication (PMID: 32485864).
Immunogen	This antibody was generated using a recombinant protein sequence of Q16625, with the exact immunogen sequence remaining proprietary.

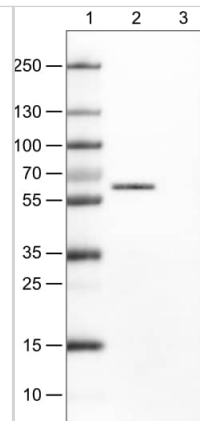
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1 ug/ml, Immunocytochemistry/ Immunofluorescence 2-10 ug/ml, Immunohistochemistry-Paraffin 1:200 - 1:500
Application Notes	IHC-P, Retrieval method: HIER pH6, Immunocytochemistry/ Immunofluorescence/IF, Fixation/Permeabilization: PFA/Triton X-100

**Images**

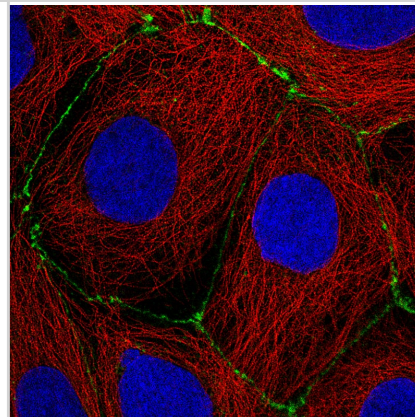
Staining of human breast cancer shows membranous immunoreactivity in tumor cells.



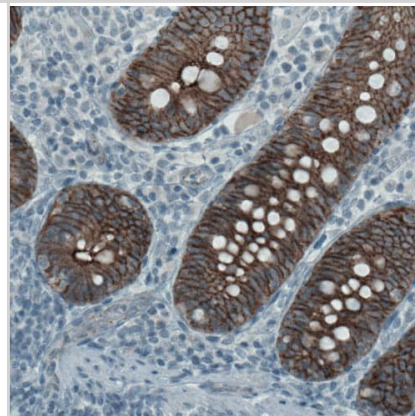
Lane 1: Marker [kDa]  
Lane 2: Human cell line CACO-2  
Lane 3: Human cell line U-87



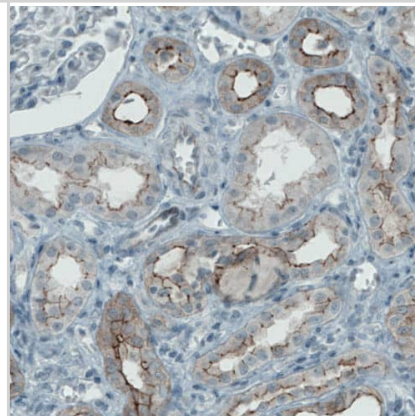
Staining of CACO-2 cells using the Anti-Occludin monoclonal antibody) .



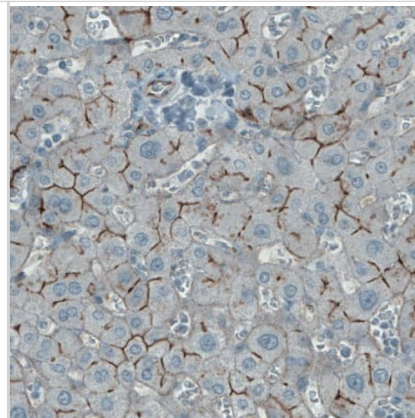
Staining of human colon shows strong membranous immunoreactivity in glandular cells.



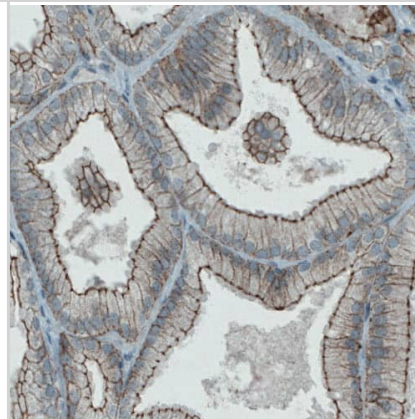
Staining of human kidney shows membranous positivity in renal tubules.



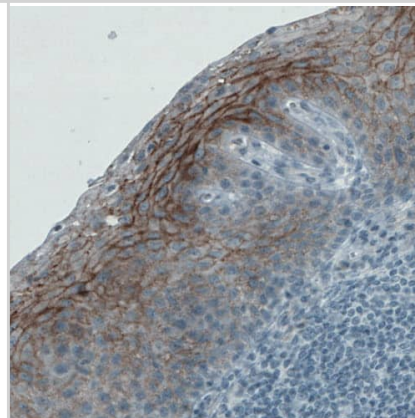
Staining of human liver shows membranous immunoreactivity in hepatocytes.



Staining of human prostate cancer shows membranous positivity in tumor cells.



Staining of human tonsil shows membranous immunoreactivity in squamous epithelium cells.





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### **Products Related to NBP3-43904**

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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)
H00004950-P01-10ug	Recombinant Human Occludin GST (N-Term) Protein

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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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