

# Product Datasheet

## Occludin Antibody (CL1608) - BSA Free NBP2-52973

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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### Publications: 1

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Updated 2/27/2025 v.20.1

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**NBP2-52973**

Occludin Antibody (CL1608) - BSA Free

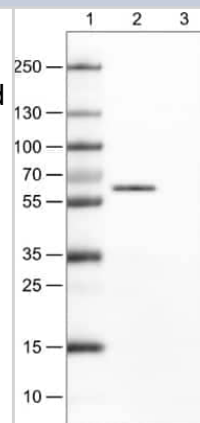
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	CL1608
Preservative	0.02% Sodium Azide
Isotype	IgG1
Purity	Protein A purified
Buffer	PBS (pH 7.2) and 40% Glycerol

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 developed using a recombinant protein derived from Q16625, with the exact immunogen sequence remaining proprietary.

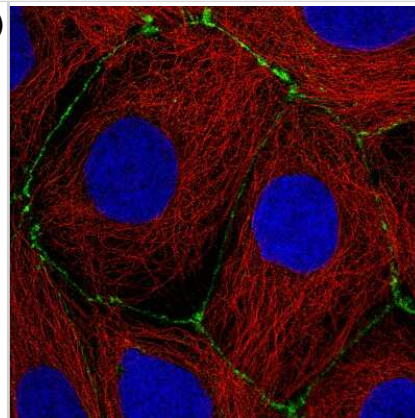
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1 ug/ml, Immunohistochemistry 1:200 - 1:500, Immunocytochemistry/ Immunofluorescence 2-10 ug/ml, Immunohistochemistry-Paraffin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

**Images**

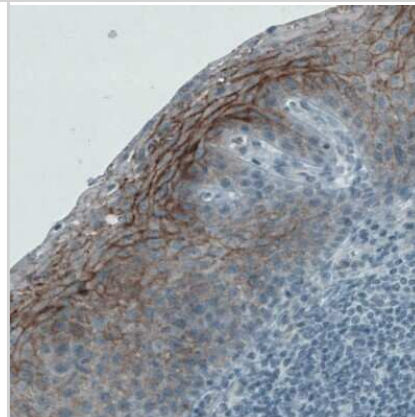
Western Blot: Occludin Antibody (CL1608) [NBP2-52973] - Lane 1: Marker [kDa], Lane 2: Negative control (vector only transfected HEK293T lysate), Lane 3: OCLN Over-expression Lysate (Co-expressed with a C-terminal myc-DDK tag (~3.1 kDa) in mammalian HEK293T cells)



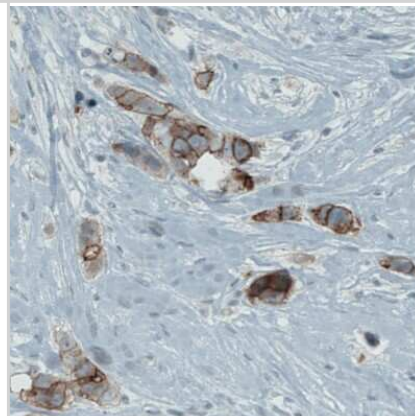
Immunocytochemistry/Immunofluorescence: Occludin Antibody (CL1608) [NBP2-52973] - Staining of CACO-2 cells using the Anti-OCLN monoclonal antibody, showing specific staining in cell junctions in green. Microtubule- and nuclear probes are visualized in red and blue, respectively (where available).



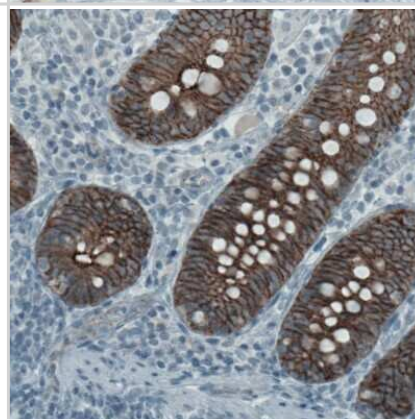
Immunohistochemistry-Paraffin: Occludin Antibody (CL1608) [NBP2-52973] - Staining of human tonsil shows membranous immunoreactivity in squamous epithelium cells.



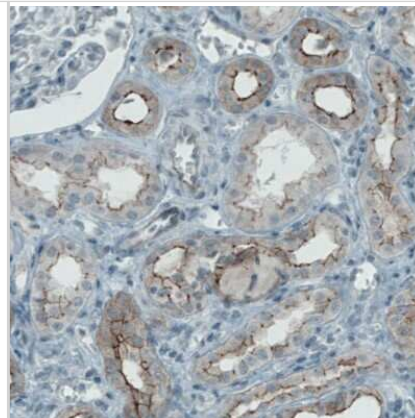
Immunohistochemistry-Paraffin: Occludin Antibody (CL1608) [NBP2-52973] - Staining of human breast cancer shows membranous immunoreactivity in tumor cells.



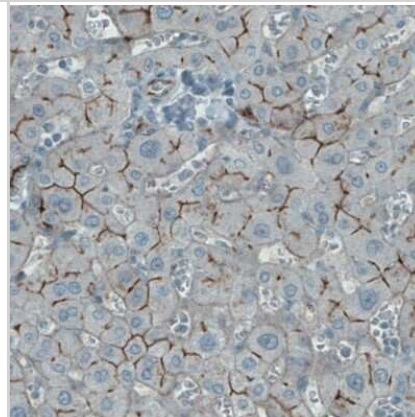
Immunohistochemistry-Paraffin: Occludin Antibody (CL1608) [NBP2-52973] - Staining of human colon shows strong membranous immunoreactivity in glandular cells.



Immunohistochemistry-Paraffin: Occludin Antibody (CL1608) [NBP2-52973] - Staining of human kidney shows membranous positivity in renal tubules.



Immunohistochemistry-Paraffin: Occludin Antibody (CL1608) [NBP2-52973] - Staining of human liver shows membranous immunoreactivity in hepatocytes.



Immunohistochemistry-Paraffin: Occludin Antibody (CL1608) [NBP2-52973] - Staining of human prostate cancer shows membranous positivity in tumor cells.



## Publications

Truzzi F, Valerii MC, Tibaldi C et al. Are Supplements Safe? Effects of Gallic and Ferulic Acids on In Vitro Cell Models Nutrients 2020-05-29 [PMID: 32485864] (IHC-P, IF/IHC, Mouse, Human)



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### **Products Related to NBP2-52973**

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NBP2-52973PEP	Occludin Recombinant Protein Antigen
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)

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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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