

# Product Datasheet

## Aquaporin 1/AQP1 Antibody (OTI2D10) NBP2-03568

Unit Size: 0.1 ml

Store at -20C. Avoid freeze-thaw cycles.

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**NBP2-03568****Aquaporin 1/AQP1 Antibody (OTI2D10)**

<b>Product Information</b>	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	0.47 mg/ml
<b>Storage</b>	Store at -20C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	OTI2D10
<b>Preservative</b>	0.02% Sodium Azide
<b>Isotype</b>	IgG1
<b>Purity</b>	Immunogen affinity purified
<b>Buffer</b>	PBS (pH 7.3), 1.0% BSA and 50% Glycerol
<b>Target Molecular Weight</b>	28.3 kDa

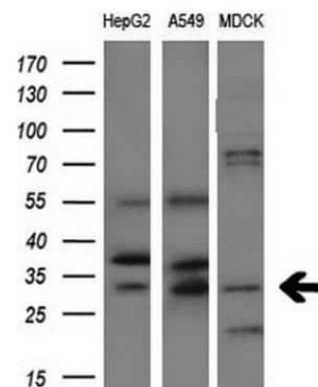
<b>Product Description</b>	
<b>Description</b>	Novus Biologicals Mouse Aquaporin 1/AQP1 Antibody (OTI2D10) (NBP2-03568) is a monoclonal antibody validated for use in IHC, WB, Flow and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Mouse
<b>Gene ID</b>	358
<b>Gene Symbol</b>	AQP1
<b>Species</b>	Human, Mouse, Rat
<b>Reactivity Notes</b>	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.
<b>Immunogen</b>	Full length human recombinant protein of human AQP1 (NP_932766) produced in HEK293T cell.

<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
<b>Recommended Dilutions</b>	Western Blot 1:2000, Flow Cytometry 1:100, Immunohistochemistry 1:150, Immunocytochemistry/ Immunofluorescence 1:100, Immunohistochemistry-Paraffin 1:150

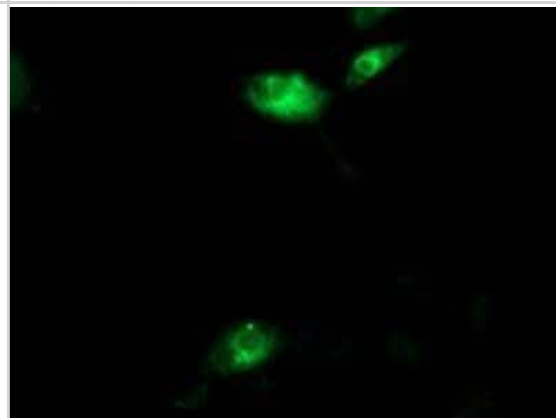


## Images

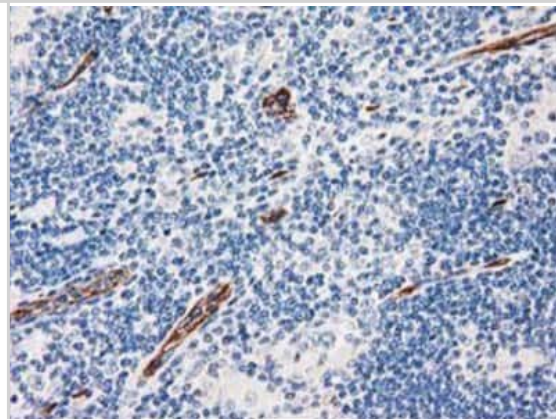
Western Blot: Aquaporin 1/AQP1 Antibody (OTI2D10) [NBP2-03568] - Analysis of extracts (10ug) from 3 different cell lines by using anti-AQP1 monoclonal antibody at 1:200 dilution.



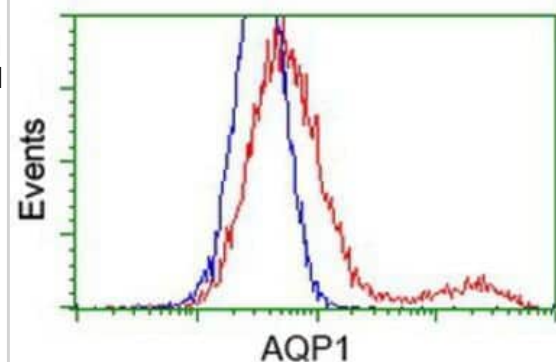
Immunocytochemistry/Immunofluorescence: Aquaporin 1/AQP1 Antibody (OTI2D10) [NBP2-03568] - Staining of COS7 cells transiently transfected by pCMV6-ENTRY Aquaporin-1.



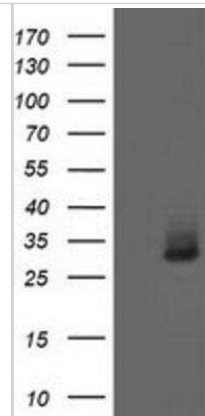
Immunohistochemistry-Paraffin: Aquaporin 1/AQP1 Antibody (OTI2D10) [NBP2-03568] - Staining of paraffin-embedded Human lymphoma tissue using anti-Aquaporin-1 mouse monoclonal antibody.



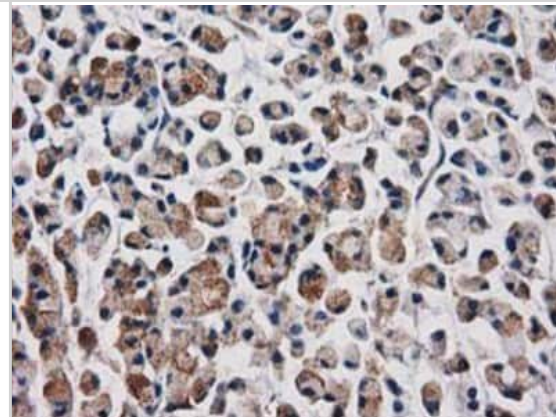
Flow Cytometry: Aquaporin 1/AQP1 Antibody (OTI2D10) [NBP2-03568] - Aquaporin-1 Antibody (2D10) [NBP2-03568] - HEK293T cells transfected with either overexpression plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-Aquaporin-1 antibody, and then analyzed by flow cytometry.



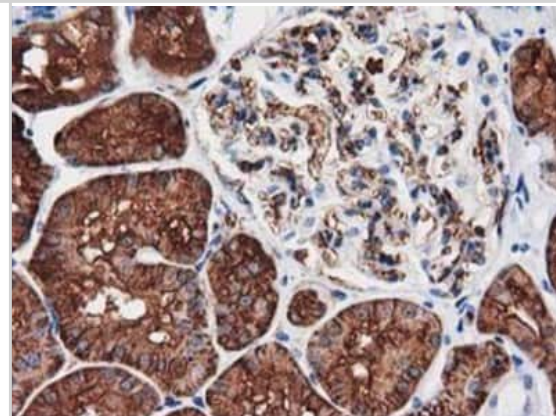
Western Blot: Aquaporin 1/AQP1 Antibody (OTI2D10) [NBP2-03568] - Aquaporin-1 Antibody (2D10) [NBP2-03568] - HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY Aquaporin-1 (Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-Aquaporin-1.



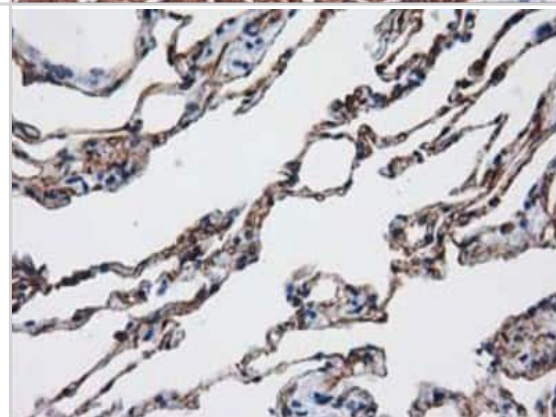
Immunohistochemistry-Paraffin: Aquaporin 1/AQP1 Antibody (OTI2D10) [NBP2-03568] - Staining of paraffin-embedded Adenocarcinoma of Human colon tissue using anti-Aquaporin-1 mouse monoclonal antibody.



Immunohistochemistry-Paraffin: Aquaporin 1/AQP1 Antibody (OTI2D10) [NBP2-03568] - Staining of paraffin-embedded Human Kidney tissue using anti-Aquaporin-1 mouse monoclonal antibody.



Immunohistochemistry-Paraffin: Aquaporin 1/AQP1 Antibody (OTI2D10) [NBP2-03568] - Staining of paraffin-embedded Human lung tissue using anti-Aquaporin-1 mouse monoclonal antibody.





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### **Products Related to NBP2-03568**

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NB820-60575	Human Brain Cerebral Meninges Membrane Tissue Lysate (Adult Membrane Normal)
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]
NBP1-97005-0.5mg	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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