

Product Datasheet

Aquaporin-2 Antibody NBP1-70378

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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technical@novusbio.com

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NBP1-70378

Aquaporin-2 Antibody

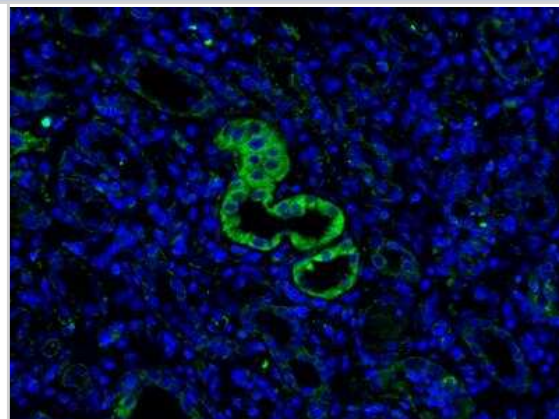
Product Information	
Unit Size	0.1 ml
Concentration	This product is unpurified. The exact concentration of antibody is not quantifiable.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	No Preservative
Reconstitution Instructions	Reconstitute in 0.1 ml of sterile water. Centrifuge to remove any insoluble material. Glycerol may be added (1:1) for additional stability. Please note the sample size is provided in reconstituted format.
Isotype	IgG
Purity	Unpurified
Buffer	Lyophilized from whole antisera

Product Description	
Description	This peptide is soluble in PBS and water.
Host	Goat
Gene ID	359
Gene Symbol	AQP2
Species	Human, Mouse, Rat
Immunogen	A synthetic peptide from human Aquaporin-2 conjugated to blue carrier protein was used as the antigen.
Notes	This peptide is soluble in PBS and water.

Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:300-1:2000, Immunohistochemistry 1:300-1:2000, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin 1:300-1:2000
Application Notes	Use in ICC/IF reported in scientific literature (PMID: 30520657).

Images

Immunohistochemistry-Paraffin: Aquaporin-2 Antibody [NBP1-70378] - AQP2 was incubated overnight at 4C in a 1:200 dilution on human kidney and visualized with donkey anti-goat Alexa Fluor 488. IHC-P image submitted by a verified customer review.



Publications

Mutchler SM, Shi S, Whelan SCM, Kleyman TR Validation of commercially available antibodies directed against subunits of the epithelial Na⁺ channel *Physiological reports* 2023-01-01 [PMID: 36636010] (IHC-Fr, Mouse)

Details:

Dilution used in IHC-Fr 1:200

Assmus A, Mullins L, Ward M et al. Loss of Adam10 Disrupts Ion Transport in Immortalized Kidney Collecting Duct Cells *Cell Function* 2021-05-10 [PMID: 34131651] (ICC/IF, IF/IHC, Mouse)

Mullins L, Ivy J, Ward M et al. Abnormal neonatal sodium handling in skin precedes hypertension in the SAME rat *European Journal of Physiology* 2021-06-01 [PMID: 34028587] (IHC-P, Rat, Mouse)

Landry GM, Furrow E, Holmes HL et al. Cloning, function, and localization of human, canine and *Drosophila* Zip10 (Slc39a10), a Zn²⁺ transporter *Am. J. Physiol. Renal Physiol.* 2018-12-06 [PMID: 30520657] (ICC/IF, Human, Mouse)





Novus Biologicals USA

10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada

21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

Products Related to NBP1-70378

HAF017	Rabbit anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
HAF109	Donkey anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
NB410-28088-1mg	Goat IgG Isotype Control
NB110-74682PEP	Aquaporin-2 Antibody Blocking Peptide

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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