

Product Datasheet

Aquaporin-2 [p Ser261] Antibody - Azide Free NB100-61100

Unit Size: 0.1 ml

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

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NB100-61100

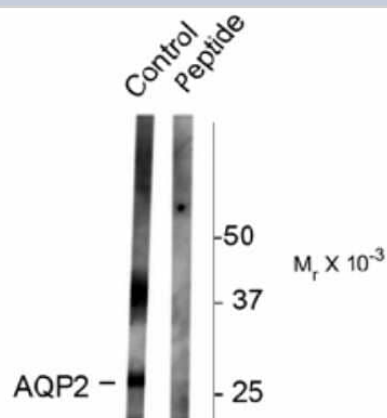
Aquaporin-2 [p Ser261] Antibody - Azide Free

Product Information	
Unit Size	0.1 ml
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	No Preservative
Isotype	IgG
Purity	Antigen Affinity-purified
Buffer	10mM HEPES (pH 7.5), 0.15M NaCl, 0.1 mg/ml BSA and 50% Glycerol
Target Molecular Weight	29 kDa
Product Description	
Host	Rabbit
Gene ID	359
Gene Symbol	AQP2
Species	Human, Mouse, Rat, Canine
Reactivity Notes	Human reactivity reported in scientific literature (PMID: 25977473). Canine reactivity reported in scientific literature (PMID: 22778181).
Specificity/Sensitivity	Specific for endogenous levels of the ~29 kDa Aquaporin-2 protein phosphorylated at Ser261. Also recognizes the glycosylated form of AQP2 at ~37 kDa. Immunolabeling is blocked by preadsorption with the phosphopeptide used as antigen, but not by the corresponding non-phosphopeptide.
Immunogen	Synthetic phospho-peptide corresponding to amino acid residues surrounding Ser261 conjugated to KLH. Accession # P34080
Product Application Details	
Applications	Western Blot, Dot Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation
Recommended Dilutions	Western Blot 1:1000, Immunohistochemistry 1:100 , Immunocytochemistry/ Immunofluorescence 1:500 - 1:3000, Immunoprecipitation 3 uL, Immunohistochemistry-Paraffin 1:100 , Dot Blot
Application Notes	Immunohistochemistry as reported in the literature (Hoffert et al., 2007) Dot Blot was reported in scientific literature.



Images

Western Blot: Aquaporin-2 [p Ser261] Antibody [NB100-61100] - Rat kidney lysate showing specific immunolabeling of the ~ 29k and 37k glycosylated form of the AQP2 protein phosphorylated at Ser261. Immunolabeling is blocked by the phospho-peptide used as antigen (peptide) but not by the corresponding dephospho-peptide (not shown).



Publications

Ranieri M, Venneri M, Pellegrino T et al. The Vasopressin Receptor 2 Mutant R137L Linked to the Nephrogenic Syndrome of Inappropriate Antidiuresis (NSIAD) Signals through an Alternative Pathway that Increases AQP2 Membrane Targeting Independently of S256 Phosphorylation Cells 2020-05-29 [PMID: 32486031]

Centrone M, Ranieri M, Di Mise A et al. AQP2 Abundance is Regulated by the E3-Ligase CHIP Via HSP70 Cell. Physiol. Biochem. 2017-11-17 [PMID: 29145196] (IF/IHC)

Ranieri M, Tamma G, Di Mise A et al. Negative feedback from CaSR signaling to Aquaporin-2 confers high sensitivity of vasopressin to extracellular calcium. J. Cell. Sci. 2015-05-14 [PMID: 25977473] (WB, Human)

Trimpert C, van den Berg DT, Fenton RA et al. Vasopressin increases S261 phosphorylation in AQP2-P262L, a mutant in recessive nephrogenic diabetes insipidus Nephrol Dial Transplant 2012-07-09 [PMID: 22778181] (Cytometric Bead Assay Standard, WB, Canine)



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 NB100-61100

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NB110-74682PEP	Aquaporin-2 Antibody Blocking Peptide

Limitations

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