

Product Datasheet

Aquaporin-4 Antibody - Azide and BSA Free NBP2-92886-0.1ml

Unit Size: 0.1 ml

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

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Publications: 2

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NBP2-92886-0.1ml

Aquaporin-4 Antibody - Azide and BSA Free

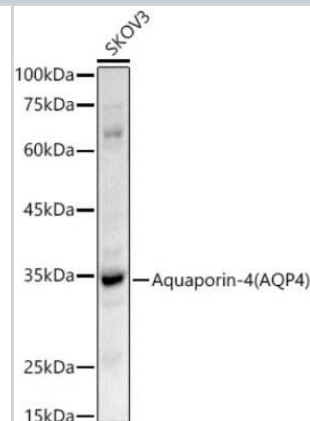
Product Information	
Unit Size	0.1 ml
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Affinity purified
Buffer	PBS (pH 7.3), 50% glycerol

Product Description	
Description	Novus Biologicals Rabbit Aquaporin-4 Antibody - Azide and BSA Free (NBP2-92886) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-Aquaporin-4 Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	361
Gene Symbol	AQP4
Species	Human, Mouse, Rat
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 256-323 of human Aquaporin-4 (NP_001641.1). VEFKRRFKEAFSKAAQQTKGSYMEVEDNRSQVETDDLILKPGVVHVIDVDRGE EKKGKDQSGEVLSSV

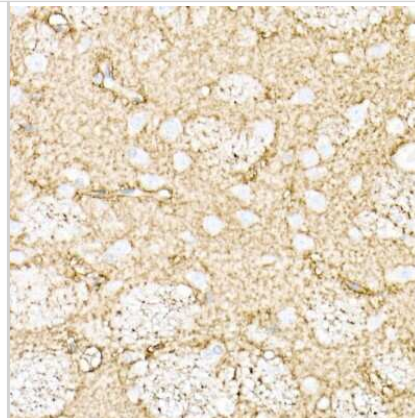
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 1:100 - 1:500, Immunohistochemistry 1:50-1:200, Immunocytochemistry/ Immunofluorescence 1:50-1:200, Immunohistochemistry-Paraffin

Images

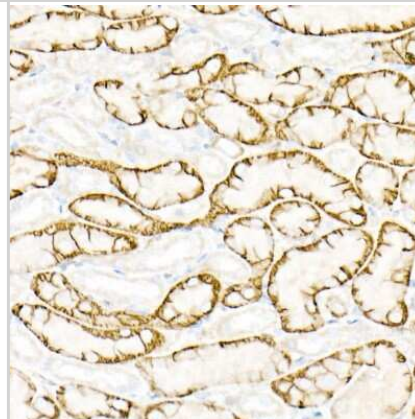
Western Blot: Aquaporin-4 Antibody [NBP2-92886] - Western blot analysis of extracts of SKOV3 cells, using Aquaporin-4 antibody (NBP2-92886) at 1:500 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 60s.



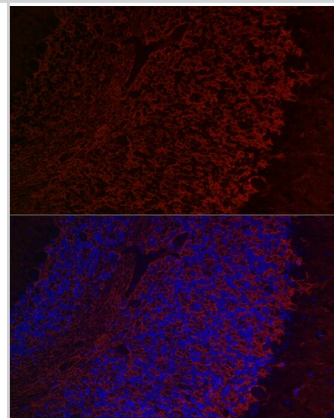
Immunohistochemistry-Paraffin: Aquaporin-4 Antibody [NBP2-92886] - Immunohistochemistry of paraffin-embedded rat brain using Aquaporin-4 Rabbit pAb (NBP2-92886) at dilution of 1:100 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



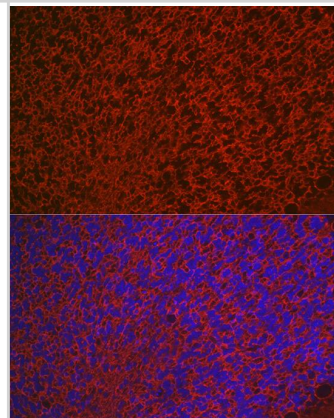
Immunohistochemistry-Paraffin: Aquaporin-4 Antibody [NBP2-92886] - Immunohistochemistry of paraffin-embedded mouse kidney using Aquaporin-4 Rabbit pAb (NBP2-92886) at dilution of 1:100 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



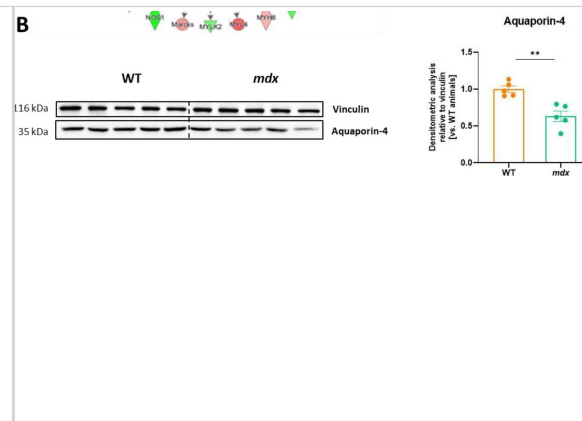
Immunocytochemistry/ Immunofluorescence: Aquaporin-4 Antibody - Azide and BSA Free [NBP2-92886] - Immunofluorescence analysis of paraffin-embedded mouse brain using Aquaporin-4 Rabbit pAb at dilution of 1:50 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) at 1:500 dilution. Blue: DAPI for nuclear staining.



Immunocytochemistry/ Immunofluorescence: Aquaporin-4 Antibody - Azide and BSA Free [NBP2-92886] - Immunofluorescence analysis of paraffin-embedded rat brain using Aquaporin-4 Rabbit pAb at dilution of 1:50 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) at 1:500 dilution. Blue: DAPI for nuclear staining.



Aquaporin 4 (AQP4) abundance is decreased in dystrophin-deficient diaphragms. (A) Ingenuity pathway analysis (IPA) demonstrated changes in various dystrophin-associated proteins, including a decrease in the level of AQP4, which was confirmed by (B) Western blot (Figure S2) and its densitometric analysis, $n = 5/\text{group}$; results are shown as mean \pm SEM; ** $p < 0.01$. Image collected and cropped by CiteAb from the following open publication (<https://pubmed.ncbi.nlm.nih.gov/38002330>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

Mucha O, Myszka M, Podkalicka P et al. Proteome Profiling of the Dystrophic mdx Mice Diaphragm Biomolecules 2023-11-13 [PMID: 38002330] (WB, Mouse)

Abbaszadeh F, Jorjani M, Joghataei MT et al. Astaxanthin ameliorates spinal cord edema and astrocyte activation via suppression of HMGB1/TLR4/NF- κ B signaling pathway in a rat model of spinal cord injury Naunyn-Schmiedeberg's archives of pharmacology 2023-05-05 [PMID: 37145127] (WB, Rat)



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Products Related to NBP2-92886-0.1ml

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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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