

# Product Datasheet

## Aquaporin-4 Antibody NBP3-12902

Unit Size: 100 ul

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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**NBP3-12902**

## Aquaporin-4 Antibody

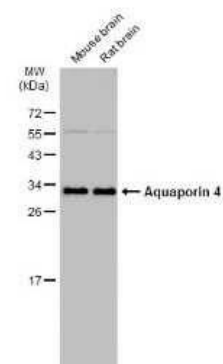
Product Information	
Unit Size	100 ul
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.025% Proclin 300
Isotype	IgG
Purity	Antigen Affinity-purified
Buffer	PBS (pH 7), 20% Glycerol, 1% BSA

Product Description	
Description	Centrifuge briefly prior to opening.
Host	Rabbit
Gene ID	361
Gene Symbol	AQP4
Species	Mouse, Rat
Immunogen	Recombinant protein encompassing a sequence within the C-terminus region of mouse Aquaporin-4. The exact sequence is proprietary.

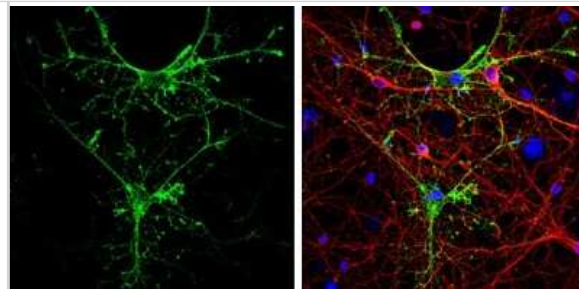
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin, Immunohistochemistry Free-Floating
Recommended Dilutions	Western Blot, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin, Immunohistochemistry-Frozen, Immunohistochemistry Free-Floating

**Images**

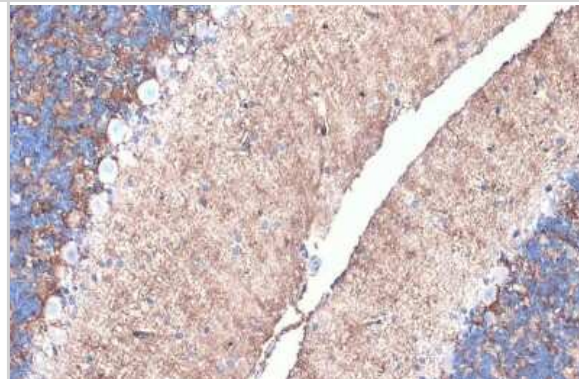
Western Blot: Aquaporin-4 Antibody [NBP3-12902] - Various tissue extracts (50 ug) were separated by 12% SDS-PAGE, and the membrane was blotted with Aquaporin-4 antibody (NBP3-12902) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody (NBP2-19301) was used to detect the primary antibody.



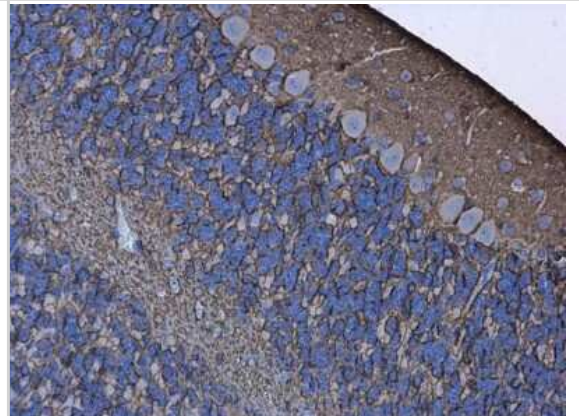
**Immunocytochemistry/Immunofluorescence: Aquaporin-4 Antibody [NBP3-12902]** - Aquaporin-4 antibody detects Aquaporin-4 protein at astrocyte cells by immunofluorescent analysis. Sample: DIV9 rat E18 primary cortical neurons and glia cells were fixed in 4% paraformaldehyde at RT for 15 min. Green: Aquaporin-4 protein stained by Aquaporin-4 antibody (NBP3-12902) diluted at 1:500. Red: beta Tubulin 3/ Tuj1, a neuron cell marker, stained by beta Tubulin 3/ Tuj1 antibody [GT886] (NBP2-43561) diluted at 1:500. Blue: Fluoroshield with DAPI.



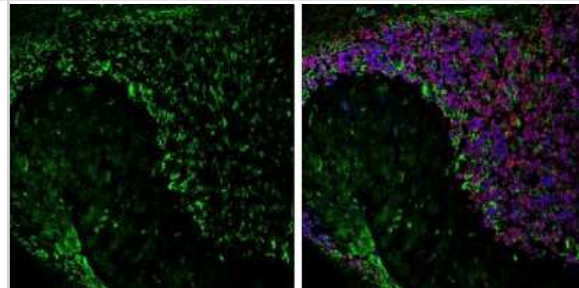
**Immunohistochemistry-Paraffin: Aquaporin-4 Antibody [NBP3-12902]** - Aquaporin-4 antibody detects Aquaporin-4 protein at cell membrane by immunohistochemical analysis. Sample: Paraffin-embedded rat brain. Aquaporin-4 stained by Aquaporin-4 antibody (NBP3-12902) diluted at 1:500. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min



**Immunohistochemistry-Paraffin: Aquaporin-4 Antibody [NBP3-12902]** - Aquaporin-4 antibody detects Aquaporin-4 protein at cell membrane in mouse brain by immunohistochemical analysis. Sample: Paraffin-embedded mouse brain. Aquaporin-4 antibody (NBP3-12902) diluted at 1:500. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min



**Immunohistochemistry-Frozen: Aquaporin-4 Antibody [NBP3-12902]** - Aquaporin-4 antibody detects Aquaporin-4 protein expression by immunohistochemical analysis. Sample: Frozen-sectioned adult mouse cerebellum. Green: Aquaporin-4 protein stained by Aquaporin-4 antibody (NBP3-12902) diluted at 1:250. Red: NeuN, stained by NeuN antibody [2Q158] diluted at 1:500. Blue: Fluoroshield with DAPI.





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### **Products Related to NBP3-12902**

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HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP2-52872PEP	Aquaporin-4 Recombinant Protein Antigen

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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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