

## Aquaporin 4 antibody

**Cat. No. GTX133151**

<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG
<b>Applications</b>	WB, ICC/IF, IHC-P, IHC-Fr, IHC (Free Floating)
<b>Reactivity</b>	Mouse, Rat

References ( 4 )

★★★★★ Review ( 1 )

Package

100 µl, 25 µl

## Applications

**Application Note**

\*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution	Recommended dilution
WB	1:500-1:3000
ICC/IF	1:100-1:1000
IHC-P	1:100-1:1000
IHC-Fr	1:100-1:1000
IHC (Free Floating)	Assay dependent

Not tested in other applications.

**Calculated MW** 34 kDa. ( [Note](#) )

## Properties

<b>Form</b>	Liquid
<b>Buffer</b>	PBS, 1% BSA, 20% Glycerol
<b>Preservative</b>	0.025% ProClin 300
<b>Storage</b>	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.
<b>Concentration</b>	0.31 mg/ml (Please refer to the vial label for the specific concentration.)
<b>Immunogen</b>	Recombinant protein encompassing a sequence within the Intracellular domain of mouse Aquaporin 4. The exact sequence is proprietary.
<b>Purification</b>	Purified by antigen-affinity chromatography.
<b>Conjugation</b>	Unconjugated



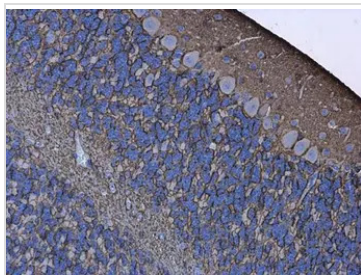
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For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.

**Note**

Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.

DATA IMAGES



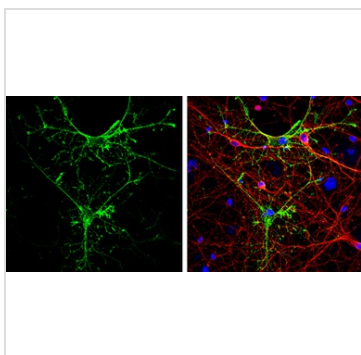
**GTX133151 IHC-P Image**

Aquaporin 4 antibody detects Aquaporin 4 protein at cell membrane in mouse brain by immunohistochemical analysis.

Sample: Paraffin-embedded mouse brain.

Aquaporin 4 antibody (GTX133151) diluted at 1:500.

Antigen Retrieval: Citrate buffer, pH 6.0, 15 min



**GTX133151 ICC/IF Image**

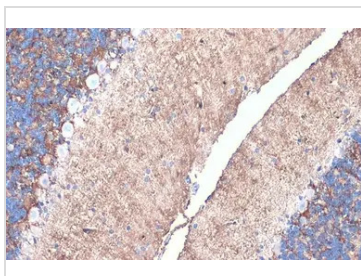
Aquaporin 4 antibody detects Aquaporin 4 protein at astrocyte cells by immunofluorescent analysis.

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 (GTX133151) diluted at 1:500.

Red: beta Tubulin 3/ Tuj1, a neuron cell marker, stained by beta Tubulin 3/ Tuj1 antibody [GT886] (GTX631830) diluted at 1:500.

Blue: Fluoroshield with DAPI (GTX30920).



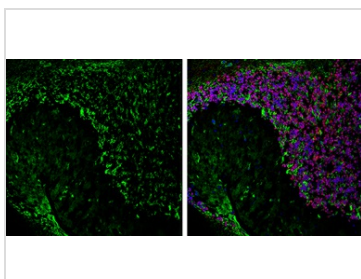
**GTX133151 IHC-P Image**

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 (GTX133151) diluted at 1:500.

Antigen Retrieval: Citrate buffer, pH 6.0, 15 min



**GTX133151 IHC-Fr Image**

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 (GTX133151) diluted at 1:250.

Red: NeuN, stained by NeuN antibody [2Q158] (GTX30773) diluted at 1:500.

Blue: Fluoroshield with DAPI (GTX30920).



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