

Datasheet for ABIN7428122
anti-Aquaporin 4 antibody (AA 178-317)

7 Images

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Overview

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|----------------------|--|
| Quantity: | 100 µL |
| Target: | Aquaporin 4 (AQP4) |
| Binding Specificity: | AA 178-317 |
| Reactivity: | Human |
| Host: | Mouse |
| Clonality: | Monoclonal |
| Conjugate: | This Aquaporin 4 antibody is un-conjugated |
| Application: | Western Blotting (WB), Immunohistochemistry (IHC), Immunoprecipitation (IP), Immunocytochemistry (ICC) |

Product Details

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|-------------------|---|
| Purpose: | Monoclonal Antibody to Aquaporin 4 (AQP4) |
| Immunogen: | Recombinant Aquaporin 4 (AQP4) corresponding to Cys178~Gly317 with N-terminal His and GST Tag |
| Clone: | C1 |
| Isotype: | IgG2a kappa |
| Specificity: | The antibody is a mouse monoclonal antibody raised against AQP4. It has been selected for its ability to recognize AQP4 in immunohistochemical staining and western blotting. |
| Cross-Reactivity: | Rat |
| Purification: | Protein A + Protein G affinity chromatography |

Target Details

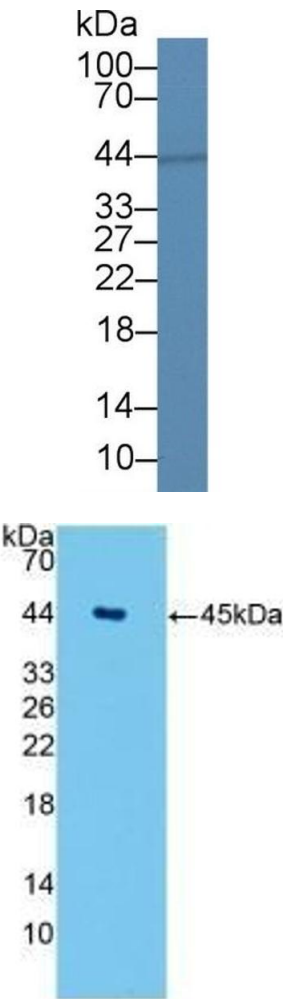
| | |
|-------------------|---|
| Target: | Aquaporin 4 (AQP4) |
| Alternative Name: | Aquaporin 4 (AQP4 Products) |
| Background: | HMIWC2, MIWC, WCH4, Mercurial-insensitive water channel |
| Pathways: | Sensory Perception of Sound |

Application Details

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|--------------------|---|
| Application Notes: | Western blotting: 0.5-2 µg/mL 1:500-2000 Immunohistochemistry: 5-20 µg/mL 1:50-200 Immunocytochemistry: 5-20 µg/mL 1:50-200 Optimal working dilutions must be determined by end user. |
| Comment: | The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition. |
| Restrictions: | For Research Use only |

Handling

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|--------------------|---|
| Format: | Liquid |
| Buffer: | PBS, pH 7.4, containing 0.02 % Sodium azide, 50 % glycerol. |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage: | 4 °C, -20 °C |
| Storage Comment: | Store at 4°C for frequent use. Stored at -20°C in a manual defrost freezer for two year without detectable loss of activity. Avoid repeated freeze-thaw cycles. |
| Expiry Date: | 24 months |

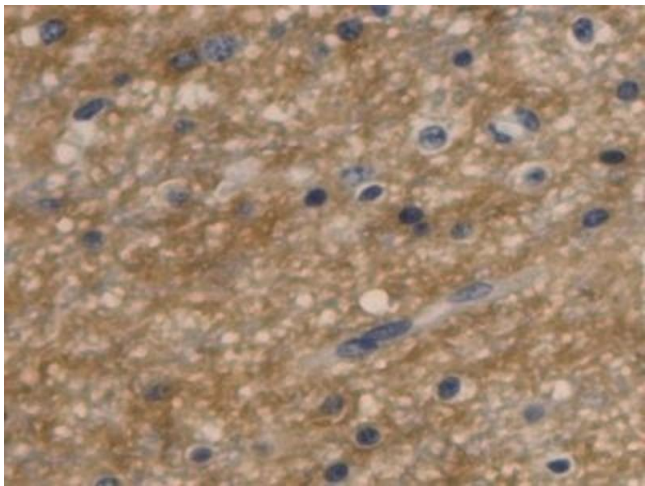


Western Blotting

Image 1. Detection of AQP4 in Rat Spinal cord lysate using Monoclonal Antibody to Aquaporin 4 (AQP4)

Western Blotting

Image 2. Detection of Recombinant AQP4, Human using Monoclonal Antibody to Aquaporin 4 (AQP4)



Immunohistochemistry

Image 3. Detection of AQP4 in Human Glioma Tissue using Monoclonal Antibody to Aquaporin 4 (AQP4)

Please check the [product details page](#) for more images. Overall 7 images are available for ABIN7428122.