

## Mouse anti-Human Aquaporin 4 (AQP4) Monoclonal Antibody | anti-AQP4 antibody

Monoclonal Antibody to Aquaporin 4 (AQP4)

| CATALOG # | HOST  | REACTIVITY | APPLICATIONS                                                                 |
|-----------|-------|------------|------------------------------------------------------------------------------|
| AAA151580 | Mouse | Human      | Immunoprecipitation, Immunocytochemistry, Immunohistochemistry, Western Blot |

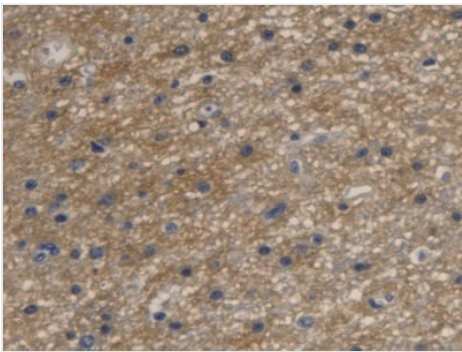
### PRODUCT SYNONYMS

Aquaporin 4 (AQP4); Monoclonal Antibody; Monoclonal Antibody to Aquaporin 4 (AQP4); AQP4/Aquaporin 4; HMIWC2; MIWC; WCH4; Mercurialinsensitive water channel; anti-AQP4 antibody

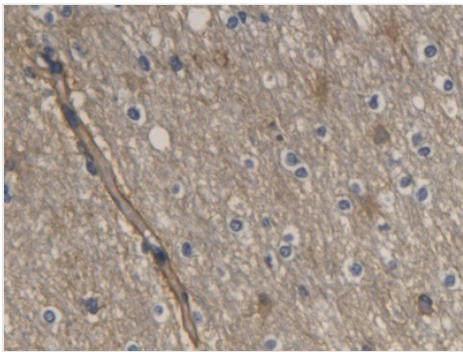
### PRODUCT SPECIFICATIONS

|                                                |                                                                                                                                                                                                                                                                                                                                                                                                                             |
|------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Reactivity                                     | Human                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Clonality                                      | Monoclonal                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Isotype                                        | IgG2a Kappa                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Clone Number                                   | C4                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 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.                                                                                                                                                                                                                                               |
| Purity/Purification                            | Protein A + Protein G affinity chromatography                                                                                                                                                                                                                                                                                                                                                                               |
| Form/Format                                    | Liquid; 0.01M PBS, pH7.4, containing 0.05% Proclin300, 50% glycerol.                                                                                                                                                                                                                                                                                                                                                        |
| Concentration                                  | 1mg/mL (varies by lot)                                                                                                                                                                                                                                                                                                                                                                                                      |
| Applicable Applications for anti-AQP4 antibody | IP (Immunoprecipitation), ICC (Immunocytochemistry), IHC (Immunohistochemistry), WB (Western Blot)                                                                                                                                                                                                                                                                                                                          |
| Immunogen Type                                 | Prokaryotic Recombinant proteins/RP                                                                                                                                                                                                                                                                                                                                                                                         |
| Sequence of Immunogen                          | Cys178~Gly317                                                                                                                                                                                                                                                                                                                                                                                                               |
| Conjugation                                    | Unconjugated                                                                                                                                                                                                                                                                                                                                                                                                                |
| Preparation and Storage                        | Store at 2 degree C to 8 degree C for frequent use, 20 degree C for 24 months<br>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 degree 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. |

IMAGES



**IHC (Immunohistochemistry)**  
DAB staining on IHC; Sample: Human Glioma Tissue; Primary Ab: 20ug/ml Mouse AntiHuman AQP4 Antibody Second Ab: 2ug/mL HRPLinked Caprine AntiMouse IgG Polyclonal Antibody (Catalog: SAA544Mu19)



**IHC (Immunohistochemistry)**  
DAB staining on IHC; Sample: Human Cerebrum Tissue; Primary Ab: 20ug/ml Mouse AntiHuman AQP4 Antibody Second Ab: 2ug/mL HRPLinked Caprine AntiMouse IgG Polyclonal Antibody (Catalog: SAA544Mu19)

ADDITIONAL INFORMATION

|                                                  |                                                                                    |
|--------------------------------------------------|------------------------------------------------------------------------------------|
| Product Categories/Family for anti-AQP4 antibody | Signal transduction; Metabolic pathway; Infection immunity; Neuro science; Primary |
|--------------------------------------------------|------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                     |
|----------------------------------|-----------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 2506859                                                                                             |
| NCBI GeneID                      | 361                                                                                                 |
| UniProt Accession #              | P55087; P78564                                                                                      |
| Molecular Weight                 | 323                                                                                                 |
| NCBI Official Full Name          | Aquaporin-4                                                                                         |
| NCBI Official Synonym Full Names | aquaporin 4                                                                                         |
| NCBI Official Symbol             | AQP4                                                                                                |
| NCBI Official Synonym Symbols    | MIWC; HMIWC2                                                                                        |
| NCBI Protein Information         | aquaporin-4; WCH4; aquaporin type4; aquaporin 4 isoform delta4; mercurial-insensitive water channel |
| UniProt Protein Name             | Aquaporin-4                                                                                         |
| UniProt Gene Name                | <b>AQP4</b>                                                                                         |
| UniProt Synonym Gene Names       | AQP-4; MIWC                                                                                         |
| UniProt Entry Name               | AQP4_HUMAN                                                                                          |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://stage.aaabiotech.com/monoclonal/aquaporin-4-aqp4-antibody-clone-c4-immunoprecipitation-immunocytochemistry-immunohistochemistry-western-blot-elisa/151580>