

MAA582Hu21

Monoclonal Antibody to Aquaporin 4 (AQP4)

Organism Species: *Homo sapiens (Human)*

Instruction manual

FOR RESEARCH USE ONLY

NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

13th Edition (Revised in Aug, 2023)

[PROPERTIES]

Source: Monoclonal antibody preparation

Host: Mouse

Antibody isotype: IgG2a Kappa

Purification: Protein A + Protein G affinity chromatography

Clone number: C9

Traits: Liquid

Concentration: 1mg/ml

UOM: 100µl

Cross Reactivity: Rat

Applications: WB; IHC

[IMMUNOGEN]

Immunogen: Recombinant AQP4 (Cys178~Gly317) expressed in *E.coli*

Accession No.: RPA582Hu01

[APPLICATIONS]

Western blotting: 0.1-3µg/mL;

Immunohistochemistry: 5-30µg/mL;

Optimal working dilutions must be determined by end user.

[FORMULATION]

Form & Buffer: Supplied as solution form in 0.01M PBS, pH7.4, containing 0.05% Proclin-300, 50% glycerol.

[STORAGE AND STABILITY]

Storage: Avoid repeated freeze/thaw cycles.

Store at 4°C for frequent use.

Aliquot and store at -20°C for 24 months.

Stability Test: 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.

[IDENTIFICATION]

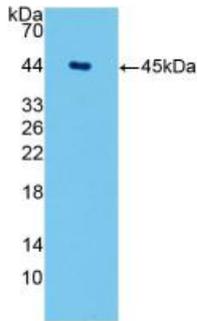
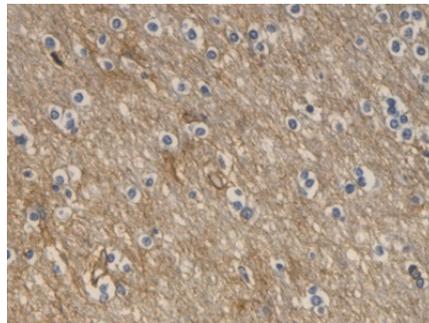
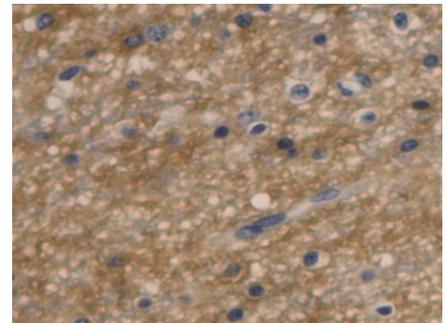


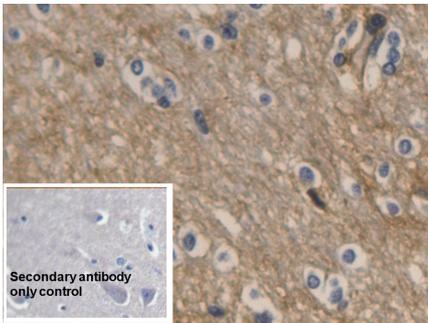
Figure. Western Blot; Sample: Recombinant AQP4, Human.



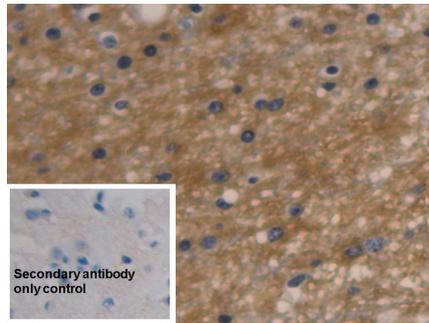
DAB staining on IHC-P; Samples: Human Cerebrum Tissue; Primary Ab: 20µg/ml Mouse Anti-Human AQP4 Antibody Second Ab: 0.2µg/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody (Catalog: SAA544Mu19)



DAB staining on IHC-P; Samples: Human Glioma Tissue; Primary Ab: 20µg/ml Mouse Anti-Human AQP4 Antibody Second Ab: 2µg/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody (Catalog: SAA544Mu19)



DAB staining on IHC-P; Sample: Human Cerebrum Tissue Primary Ab: 20µg/ml Mouse Anti-Human AQP4 Antibody Control: Used PBS instead of primary antibody Second Ab: 2µg/ml HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody

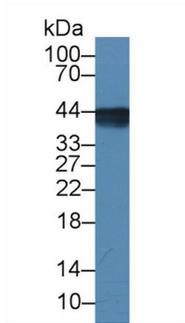


DAB staining on IHC-P; Sample: Human Glioma Tissue Primary Ab: 20µg/ml Mouse Anti-Human AQP4 Antibody Control: Used PBS instead of primary antibody Second Ab: 2µg/ml HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody

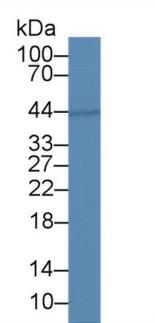
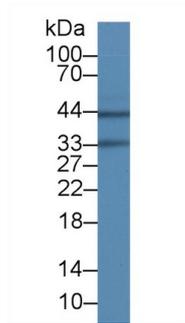


Western Blot; Sample: Rat Kidney lysate; Primary Ab: 3µg/ml Mouse Anti-Human AQP4 Antibody Second Ab: 0.2µg/mL HRP-Linked Caprine Anti-Mouse IgG Polyclonal Antibody (Catalog: SAA544Mu19)

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Western Blot; Sample: Rat Heart lysate; Western Blot; Sample: Rat Cerebrum lysate; Western Blot; Sample: Rat Spinal cord lysate;

Primary Ab: 3µg/ml Mouse Anti-Human

lysate;

lysate;

AQP4 Antibody

Primary Ab: 3µg/ml Mouse Anti-Human AQP4 Antibody

Second Ab: 0.2µg/mL HRP-Linked

AQP4 Antibody

AQP4 Antibody

Caprine Anti-Mouse IgG Polyclonal
Antibody

Second Ab: 0.2µg/mL HRP-Linked
Caprine Anti-Mouse IgG Polyclonal

Second Ab: 0.2µg/mL HRP-Linked
Caprine Anti-Mouse IgG Polyclonal

(Catalog: SAA544Mu19)

Antibody

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[IMPORTANT NOTE]

The kit is designed for research use only, we will not be responsible for any issue if the kit was used in clinical diagnostic or any other procedures.