

MAA582Hu22

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: 0.01-3µg/mL;

Immunohistochemistry: 5-20µg/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.

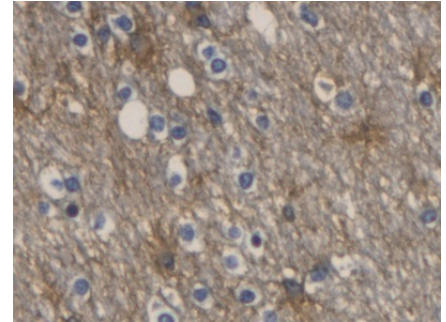
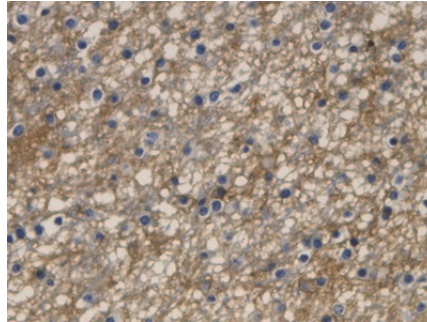
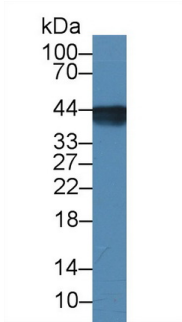
Store at 4°C for frequent use.

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.

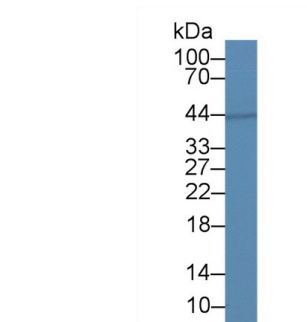
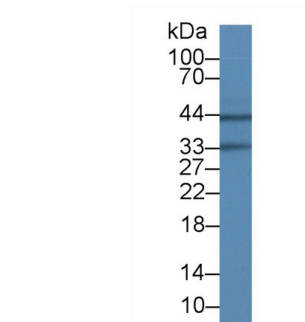
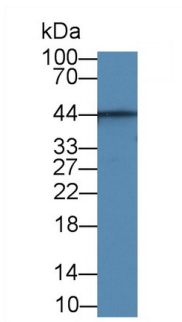
[IDENTIFICATION]



Western Blot; Sample: Rat Heart 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)

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



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)

Western Blot; Sample: Rat Cerebrum
 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)

Western Blot; Sample: Rat Spinal cord
 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)

[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.