

Anti-Aquaporin 9 Antibody
Catalog # ABO11401**Specification**

Anti-Aquaporin 9 Antibody - Product Information

Application	WB
Primary Accession	Q9JJI3
Host	Rabbit
Reactivity	Mouse
Clonality	Polyclonal
Format	Lyophilized

Description

Rabbit IgG polyclonal antibody for Aquaporin-9(AQP9) detection. Tested with WB in Mouse.

Reconstitution

Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Anti-Aquaporin 9 Antibody - Additional Information

Gene ID 64008

Other Names

Aquaporin-9, AQP-9, Aquaglyceroporin-9, Aqp9

Calculated MW

31764 MW KDa

Application Details

Western blot, 0.1-0.5 µg/ml, Mouse

Subcellular Localization

Membrane ; Multi-pass membrane protein .

Protein Name

Aquaporin-9

Contents

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na₂HPO₄, 0.05mg Thimerosal, 0.05mg NaN₃.

Immunogen

A synthetic peptide corresponding to a sequence at the C-terminus of mouse Aquaporin 9(263-278aa VLFIQMHHSPDPEVK).

Purification

Immunogen affinity purified.

Cross Reactivity

No cross reactivity with other proteins

Storage

At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

Anti-Aquaporin 9 Antibody - Protein Information

Name Aqp9

Function

Forms a water channel with a broad specificity. Also permeable glycerol and urea. Mediates passage of a wide variety of small, non-charged solutes including carbamides, polyols, purines, and pyrimidines.

Cellular Location

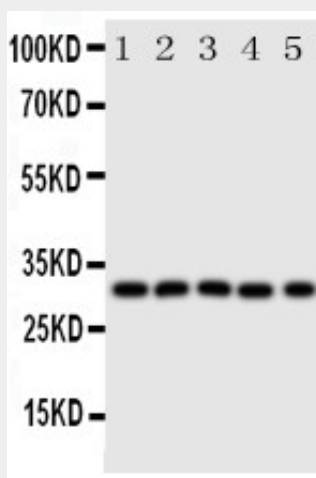
Cell membrane {ECO:0000250|UniProtKB:P56627}; Multi-pass membrane protein {ECO:0000250|UniProtKB:P56627}

Anti-Aquaporin 9 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-Aquaporin 9 Antibody - Images



Anti-Aquaporin 9 antibody, ABO11401, Western blotting All lanes: Anti Aquaporin 9 (ABO11401) at 0.5ug/ml
Lane 1: Mouse Liver Tissue Lysate at 50ug
Lane 2: Mouse Lung Tissue Lysate at 50ug
Lane 3: Mouse Spleen Tissue Lysate at 50ug
Lane 4: Mouse Testis Tissue Lysate at 50ug
Lane 5: PC-12 Whole Cell Lysate at 40ug
Predicted bind size: 31KD
Observed bind size: 31KD

Anti-Aquaporin 9 Antibody - Background

Aquaporin-9 is a protein that in humans is encoded by the AQP9 gene. AQP9 encodes a 295-amino-acid protein with the amino acid sequence identity with AQP3(48%), AQP7(45%), and other aquaporins(approximately 30%), suggesting that AQP3, AQP7, and AQP9 belong to a subfamily of the aquaporin family. AQP9 is the major glycerol channel in mouse erythrocytes and suggest that this transport pathway may contribute to the virulence of intraerythrocytic stages of malarial infection.