

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

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**Anti-Aquaporin 9 Antibody - Product Information**

|                   |                        |
|-------------------|------------------------|
| Application       | WB                     |
| Primary Accession | <a href="#">Q9JJI3</a> |
| 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<br>

**Subcellular Localization**

Membrane ; Multi-pass membrane protein .

**Protein Name**

Aquaporin-9

**Contents**

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na<sub>2</sub>HPO<sub>4</sub>, 0.05mg Thimerosal, 0.05mg NaN<sub>3</sub>.

**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

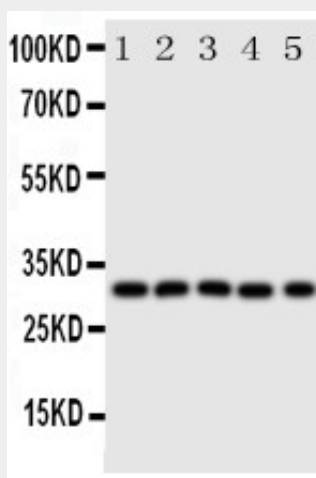
Cell membrane {ECO:0000250|UniProtKB:P56627}; Multi-pass membrane protein {ECO:0000250|UniProtKB:P56627}

## 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.