

## Rabbit Aquaporin 5 Polyclonal Antibody | anti-AQP5 antibody

Anti-Aquaporin 5 antibody

|                              |                       |                                                                      |                                                           |
|------------------------------|-----------------------|----------------------------------------------------------------------|-----------------------------------------------------------|
| CATALOG #<br><b>AAA44919</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Reacts with : RatPredicted to work with : Mouse</b> | APPLICATIONS<br><b>Immunohistochemistry, Western Blot</b> |
|------------------------------|-----------------------|----------------------------------------------------------------------|-----------------------------------------------------------|

### PRODUCT SYNONYMS

Aquaporin 5; Polyclonal Antibody; Anti-Aquaporin 5 antibody; Aquaporin-5(AQP-5); aquaporin 5; AQP 5 antibody; AQP-5 antibody; AQP5 antibody; AQP5\_HUMAN antibody; Aquaporin 5 antibody; Aquaporin-5 antibody; anti-AQP5 antibody

### PRODUCT SPECIFICATIONS

|                                                |                                                                                                                                                                                                      |
|------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                                                                                               |
| Reactivity                                     | Reacts with : Rat<br>Predicted to work with : Mouse                                                                                                                                                  |
| Clonality                                      | Polyclonal                                                                                                                                                                                           |
| Isotype                                        | IgG                                                                                                                                                                                                  |
| Purity/Purification                            | Immunogen affinity purified.                                                                                                                                                                         |
| Form/Format                                    | Lyophilized                                                                                                                                                                                          |
| Sequence Length                                | 265                                                                                                                                                                                                  |
| Applicable Applications for anti-AQP5 antibody | IHC (Immunohistochemistry), WB (Western Blot)                                                                                                                                                        |
| Immunogen                                      | A synthetic peptide corresponding to a sequence in the middle region of mouse Aquaporin 5 (246-265aa EEDWEDHREERKKTIELTAH), identical to the related rat sequence.                                   |
| Contents                                       | Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.                                                                                                               |
| Reconstitution                                 | Add 0.2ml of distilled water will yield a concentration of 500ug/ml.                                                                                                                                 |
| Preparation and Storage                        | At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing. |

### IMAGES



#### IHC (Immunohistochemistry)

Anti-Aquaporin 5 antibody, AAA44919, IHC(P)IHC(P): Rat Lung Tissue LysateWorking concentration: 1ug/ml



#### WB (Western Blot)

Anti-Aquaporin 5 antibody, AAA44919, Western blottingWorking concentration: 0.5ug/mlLane 1: Rat Lung Tissue LysateLane 2: Rat Testis Tissue Lysate

ADDITIONAL INFORMATION

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| Related Product Information for anti-AQP5 antibody | <p><b>Description:</b> Rabbit IgG polyclonal antibody for Aquaporin-5(AQP5) detection. Tested with WB, IHC-P in Mouse, Rat.</p> <p><b>Background:</b> Aquaporin 5, also known as AQP5, is a water channel protein. The aquaporins(AQPs) are a family of more than 10 homologous water transporting proteins expressed in many mammalian epithelia and endothelia. At least five AQPs are expressed in the eye: AQP0(MIP) in lens fiber, AQP1 in cornea endothelium, ciliary and lens epithelia and trabecular meshwork, AQP3 in conjunctiva, AQP4 in ciliary epithelium and retinal Müller cells, and AQP5 in corneal and lacrimal gland epithelia. Among the seven human aquaporins cloned to date(AQPs 0-6), genes encoding the four most closely related aquaporins(AQP0, AQP2, AQP5, and AQP6) have been mapped to chromosome band 12q13, suggesting an aquaporin family gene cluster at this locus. Aquaporin 5 plays a role in the generation of saliva, tears and pulmonary secretions.</p> |
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NCBI AND UNIPROT INFORMATION

|                                  |                    |
|----------------------------------|--------------------|
| NCBI GI #                        | 7387547            |
| NCBI GeneID                      | 11830              |
| UniProt Accession #              | Q9WTY4; Q545H1     |
| NCBI Official Full Name          | Aquaporin-5        |
| NCBI Official Synonym Full Names | aquaporin 5        |
| NCBI Official Symbol             | Aqp5               |
| NCBI Protein Information         | aquaporin-5; AQP-5 |
| UniProt Protein Name             | Aquaporin-5        |
| UniProt Gene Name                | Aqp5               |
| UniProt Synonym Gene Names       | AQP-5              |
| UniProt Entry Name               | AQP5_MOUSE         |

**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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/aquaporin-5-antibody-immunohistochemistry-western-blot-elisa/44919>