

# AQP5 Rabbit pAb

Catalog NO.: A9927SP **11 Publications**

## Basic Information

### Observed MW

24 kDa

### Calculated MW

28 kDa

### Category

Polyclonal Antibodies

### Applications

WB, IHC-P, ELISA

### Cross-Reactivity

Human, Mouse, Rat

### Conjugation

Unconjugated

## Background

Aquaporin 5 (AQP5) is a water channel protein. Aquaporins are a family of small integral membrane proteins related to the major intrinsic protein (MIP or AQP0). Aquaporin 5 plays a role in the generation of saliva, tears and pulmonary secretions. AQP0, AQP2, AQP5, and AQP6 are closely related and all map to 12q13.

## Recommended Dilutions

**WB** 1:1000 - 1:5000

**IHC-P** 1:200 - 1:800

### ELISA

Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements. For high-ratio antibody dilutions (≥1:10000), a sequential dilution method is strongly recommended to ensure measurement accuracy.

## Immunogen Information

| Gene ID | Swiss Prot |
|---------|------------|
| 362     | P55064     |

### Immunogen

This information is considered to be commercially sensitive.

### Synonyms

PPKB; AQP-5; AQP5

## Contact

## Product Information

|   |  |                      |
|---|--|----------------------|
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| ☒ |  | service@abclonal.com |
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### Source

Rabbit

### Isotype

IgG

### Purification

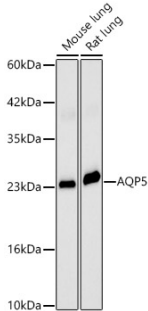
Affinity purification

### Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS, pH 7.3, containing 50% glycerol. Preserved with Proclin300 or sodium azide. May contain 0.05% BSA as specified on the Certificate of Analysis.

## Validation Data



Western blot analysis of various lysates using AQP5 Rabbit pAb (A9927SP) at 1:2000 dilution incubated overnight at 4°C.

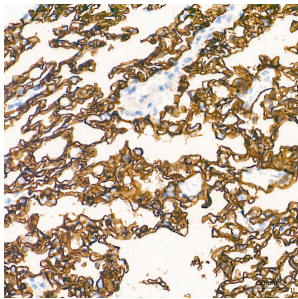
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25 µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 60 s.



Immunohistochemistry analysis of paraffin-embedded Mouse lung tissue using AQP5 Rabbit pAb (A9927SP) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

