

For Research Use Only

# AQP5 Polyclonal antibody, PBS Only

Catalog Number: 20334-1-PBS



## Basic Information

Catalog Number:

20334-1-PBS

Size:

1 mg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG14103

GenBank Accession Number:

BC032946

GeneID (NCBI):

362

UNIPROT ID:

P55064

Full Name:

aquaporin 5

Calculated MW:

265 aa, 28 kDa

Observed MW:

27 kDa

Purification Method:

Antigen affinity purification

## Applications

Tested Applications:

WB, IHC, IF-P, Indirect ELISA

Species Specificity:

human, mouse, rat

## Background Information

AQP5 is a member of aquaporins (AQPs) which are membrane proteins functioning as water channels and involved in the bidirectional transfer of water and small solutes across cell membranes. AQP5 is widely expressed including digestive, renal, respiratory, and reproductive systems. AQP5 overexpression in cancer cells and tumor tissues has been extensively reported. Recently AQP5 has been identified as a marker for adult pyloric stem cells.

## Storage

Storage:

Store at -80°C.

**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

Storage Buffer:

PBS Only

For technical support and original validation data for this product please contact:

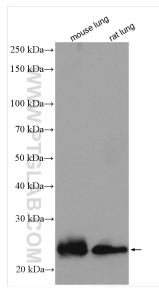
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

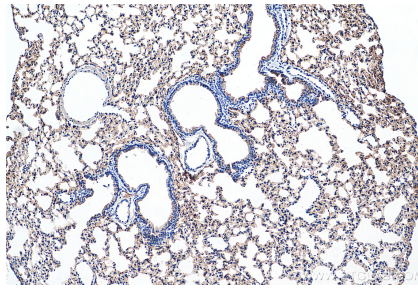
W: [ptgcn.com](http://ptgcn.com)

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

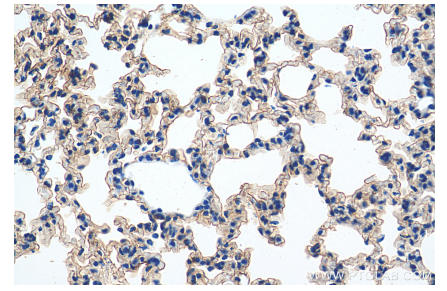
## Selected Validation Data



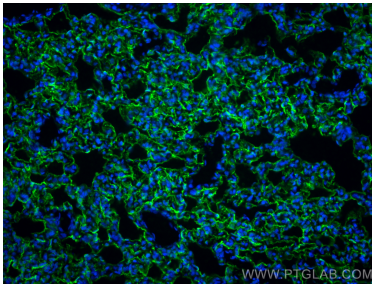
Various lysates were subjected to SDS PAGE followed by western blot with 20334-1-AP (AQP5 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 20334-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse lung tissue slide using 20334-1-AP (AQP5 antibody) at dilution of 1:5000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 20334-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse lung tissue slide using 20334-1-AP (AQP5 antibody) at dilution of 1:5000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 20334-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded rat lung tissue using AQP5 antibody (20334-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 20334-1-PBS in a different storage buffer formulation.