

For Research Use Only

# SLC26A4 Polyclonal antibody, PBS Only

Catalog Number: 22726-1-PBS



## Basic Information

Catalog Number:

22726-1-PBS

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG18622

GenBank Accession Number:

BC153002

GeneID (NCBI):

5172

UNIPROT ID:

O43511

Full Name:

solute carrier family 26, member 4

Calculated MW:

780 aa, 86 kDa

Observed MW:

90 kDa

Purification Method:

Antigen affinity purification

## Applications

Tested Applications:

WB, IHC, IP, Indirect ELISA

Species Specificity:

human

## Background Information

SLC26A4 encodes an 86-kDa transmembrane protein named pendrin with up to 15 predicted membrane-spanning domains (PMID: 22116369). SLC26A4 is necessary for normal reabsorption of endolymph, the fluid bathing the inner ear. (PMID: 31599023, PMID: 39383236). In the endolymphatic sac, where fluid reabsorption occurs, SLC26A4 is localized along the apical microvilli of mitochondria-rich cells, in contact with the endolymph, and associated with clathrin-coated pits where  $\mu$  2 and AP-2 are present (PMID: 39383236). SLC26A4 encodes an anion transporter transmembrane protein, pendrin, which is expressed in the thyroid, kidney, and cochlea (PMID: 23185506).

## 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, pH7.3

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

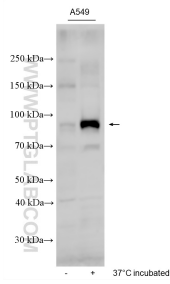
T: 4006900926

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

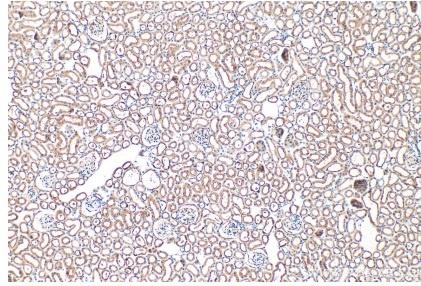
W: [ptgcn.com](http://ptgcn.com)

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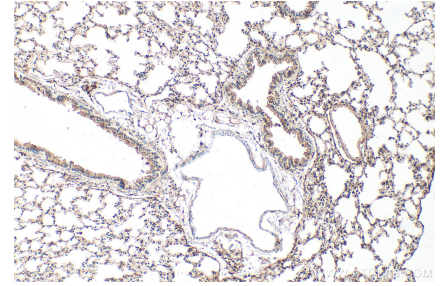
## Selected Validation Data



37°C incubated A549 cells were subjected to SDS PAGE followed by western blot with 22726-1-AP (SLC26A4 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 22726-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 22726-1-AP (SLC26A4 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 22726-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse lung tissue slide using 22726-1-AP (SLC26A4 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 22726-1-PBS in a different storage buffer formulation.



IP result of anti-SLC26A4 (IP:22726-1-AP, 4ug; Detection:22726-1-AP 1:500) with mouse kidney tissue lysate 4800ug. This data was developed using the same antibody clone with 22726-1-PBS in a different storage buffer formulation.