

For Research Use Only

SLC26A4 Polyclonal antibody, PBS Only

Catalog Number: 22726-1-PBS



Basic Information

Catalog Number: 22726-1-PBS	GenBank Accession Number: BC153002	Purification Method: Antigen affinity purification
Size: 100ug, Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 5172	
Source: Rabbit	UNIPROT ID: O43511	
Isotype: IgG	Full Name: solute carrier family 26, member 4	
Immunogen Catalog Number: AG18622	Calculated MW: 780 aa, 86 kDa	
	Observed MW: 90 kDa	

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 μ 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.

Storage Buffer:
PBS only, pH7.3

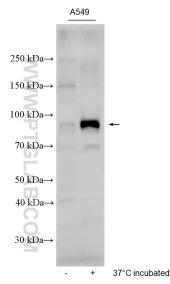
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

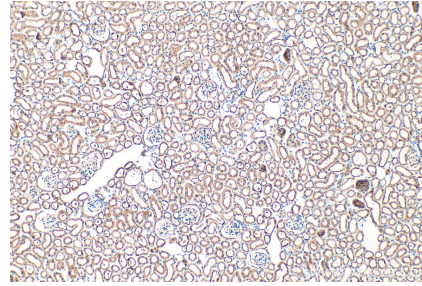
E: proteintech@ptglab.com
W: ptglab.com

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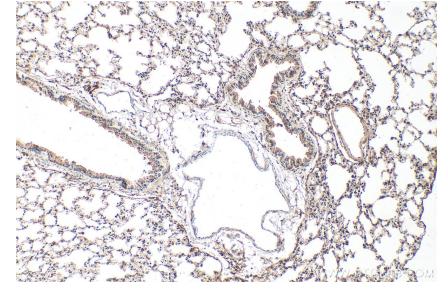
Selected Validation Data



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.