

For Research Use Only

# SLC4A4 Polyclonal antibody

Catalog Number: 11885-1-AP

Featured Product

22 Publications



## Basic Information

<b>Catalog Number:</b> 11885-1-AP	<b>GenBank Accession Number:</b> BC030977	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul, Concentration: 550 µg/ml by Nanodrop and 320 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 8671	<b>Recommended Dilutions:</b> WB 1:500-1:1000 IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate
<b>Source:</b> Rabbit	<b>Full Name:</b> solute carrier family 4, sodium bicarbonate cotransporter, member 4	<b>IHC 1:200-1:800</b> <b>IF 1:10-1:100</b>
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 121 kDa	
<b>Immunogen Catalog Number:</b> AG2490	<b>Observed MW:</b> 121 kDa	

## Applications

**Tested Applications:**  
IF, IHC, IP, WB, ELISA

**Cited Applications:**  
IF, IHC, WB

**Species Specificity:**  
human, mouse, rat

**Cited Species:**  
human, rat, mouse

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

**Positive Controls:**

**WB:** HEK-293 cells, mouse kidney tissue

**IP:** HEK-293 cells,

**IHC:** human kidney tissue, mouse small intestine tissue

**IF:** HepG2 cells,

## Background Information

### Notable Publications

Author	Pubmed ID	Journal	Application
Maria-Gabriela Colmenares Aguilar	33112159	Am J Physiol Gastrointest Liver Physiol	IHC
Autumn N Harris	34605272	Am J Physiol Renal Physiol	WB
Samuel Shin	36433745	Clin Exp Pharmacol Physiol	WB

## Storage

**Storage:**

Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

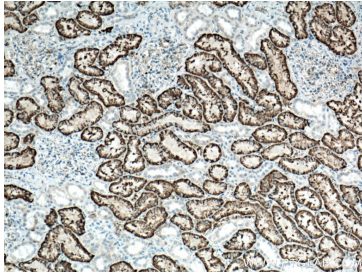
For technical support and original validation data for this product please contact:

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

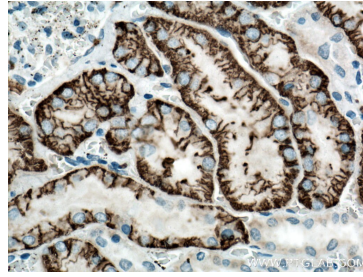
E: proteintech@ptglab.com  
W: ptglab.com

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

## Selected Validation Data



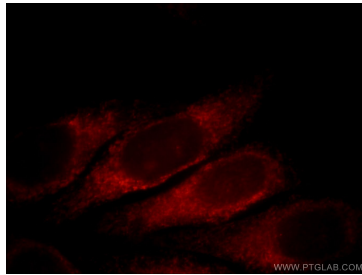
Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 11885-1-AP (SLC4A4 antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



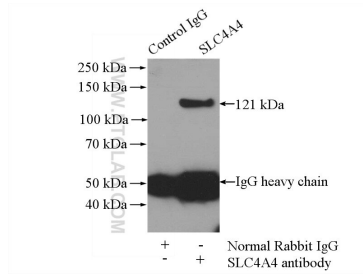
Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 11885-1-AP (SLC4A4 antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



HEK-293 cells were subjected to SDS PAGE followed by western blot with 11885-1-AP (SLC4A4 antibody) at dilution of 1:400 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of HepG2 cells, using SLC4A4 antibody 11885-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).



IP Result of anti-SLC4A4 (IP:11885-1-AP, 4ug; Detection:11885-1-AP 1:400) with HEK-293 cells lysate 1200ug.