

For Research Use Only

# SLC13A3 Polyclonal antibody

Catalog Number: 26184-1-AP

2 Publications



## Basic Information

**Catalog Number:**

26184-1-AP

**Size:**

1200 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG24182

**GenBank Accession Number:**

BC035966

**GeneID (NCBI):**

64849

**UNIPROT ID:**

Q8WWT9

**Full Name:**

solute carrier family 13 (sodium-dependent dicarboxylate transporter), member 3

**Calculated MW:**

602 aa, 67 kDa

**Observed MW:**

65-70 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate  
IHC 1:200-1:4000

## Applications

**Tested Applications:**

IP, IHC, ELISA

**Cited Applications:**

WB, IF

**Species Specificity:**

human, mouse

**Cited Species:**

human, rat

**Positive Controls:**

IP : mouse kidney tissue,

IHC : human kidney tissue,

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

## Background Information

SLC13A3, also named NADC3 and SDCT2, belongs to the SLC13A/DASS transporter (TC 2.A.47) family and NADC subfamily. SLC13A3 encodes the plasma membrane Na<sup>+</sup>/Dicarboxylate Cotransporter 3 (NaDC3), which imports inside the cell four to six carbon dicarboxylates as well as N-acetylaspartate (NAA). SLC13A3 is mainly expressed in kidney, but also in brain, liver, placenta and eye (PMID: 30635937).

## Notable Publications

Author	Pubmed ID	Journal	Application
Chao Chen	39116875	Dev Cell	WB,IF
Yuhui Zhu	38370865	Bioact Mater	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

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

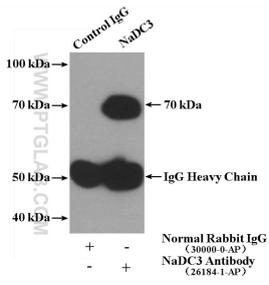
T: 4006900926

E: Proteintech-CN@ptglab.com

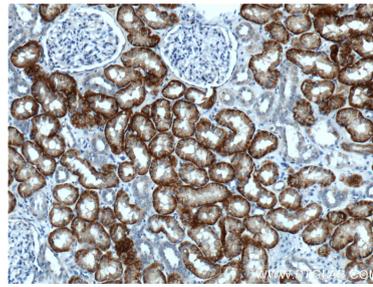
W: ptgcn.com

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

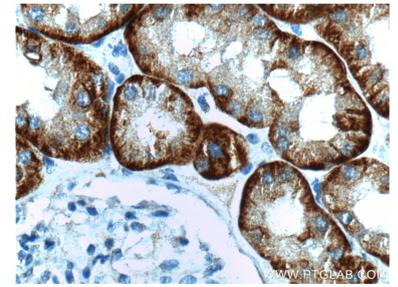
## Selected Validation Data



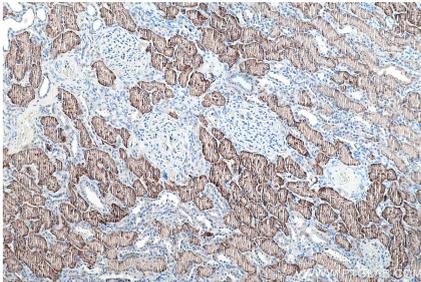
IP result of anti-SLC13A3 (IP:26184-1-AP, 4ug; Detection:26184-1-AP 1:500) with mouse kidney tissue lysate 4000ug.



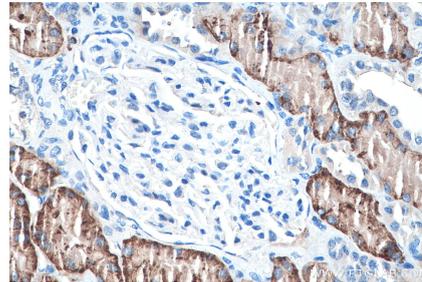
Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 26184-1-AP (NaDC3 antibody at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 26184-1-AP (NaDC3 antibody at dilution of 1:200 (under 40x lens).



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 26184-1-AP (SLC13A3 antibody) at dilution of 1:4000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 26184-1-AP (SLC13A3 antibody) at dilution of 1:4000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).