

For Research Use Only

# SLC22A7 Polyclonal antibody

Catalog Number: 26796-1-AP

5 Publications



## Basic Information

### Catalog Number:

26796-1-AP

### Size:

150ul, Concentration: 600 ug/ml by Nanodrop and 367 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG25217

### GenBank Accession Number:

BC033805

### GeneID (NCBI):

10864

### UNIPROT ID:

Q9Y694

### Full Name:

solute carrier family 22 (organic anion transporter), member 7

### Calculated MW:

60 kDa

### Observed MW:

60-70 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:3000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:1000-1:4000

## Applications

### Tested Applications:

WB, IHC, IP, ELISA

### Cited Applications:

WB

### Species Specificity:

human, mouse, rat

### Cited Species:

human, mouse

### Positive Controls:

WB: mouse kidney tissue, rat liver tissue

IP: mouse liver tissue,

IHC: human liver tissue, mouse liver 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

Organic anion transporter (OAT)2 (SLC22A7) belongs to the solute carrier group of membrane transport proteins that mediate cellular uptake of numerous organic ions including xenobiotics and endogenous substrates (PMID: 9529348, 20190416). SLC22A7 was originally identified as a novel liver-specific transporter because of its predominant mRNA expression in the rat liver (PMID: 15900017, 25904762). Human SLC22A7 exhibits a robust transport function for a wide array of naturally occurring nucleobases, nucleosides, and nucleotides with a particular role for cGMP (PMID: 18216183).

## Notable Publications

Author	Pubmed ID	Journal	Application
Chieri Fujino	36278306	Xenobiotica	WB
Karolin Weitkunat	34064336	Nutrients	WB
Yu Wang	35190308	Drug Metab Pharmacokinet	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

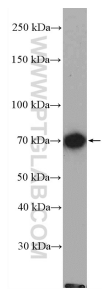
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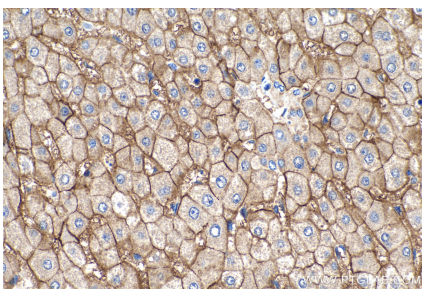
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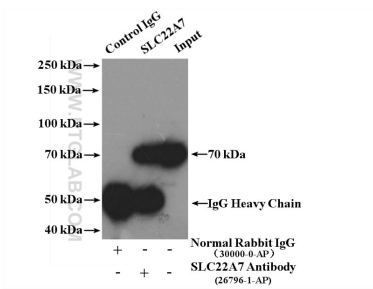
Selected Validation Data



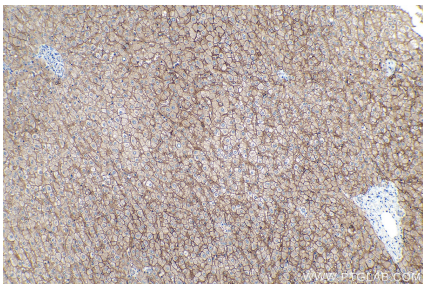
mouse kidney tissue were subjected to SDS PAGE followed by western blot with 26796-1-AP (SLC22A7 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



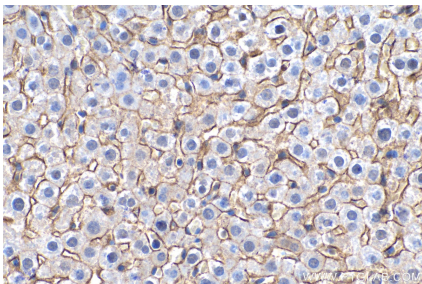
Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 26796-1-AP (SLC22A7 antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-SLC22A7 (IP:26796-1-AP, 4ug; Detection:26796-1-AP 1:1000) with mouse liver tissue lysate 5200ug.



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 26796-1-AP (SLC22A7 antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 26796-1-AP (SLC22A7 antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).