

For Research Use Only

# SLC13A2 Polyclonal antibody

Catalog Number: 21722-1-AP

Featured Product

4 Publications



## Basic Information

Catalog Number:

21722-1-AP

Size:

150ul, Concentration: 700 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG16379

GenBank Accession Number:

BC096277

GeneID (NCBI):

9058

UNIPROT ID:

Q13183

Full Name:

solute carrier family 13 (sodium-dependent dicarboxylate transporter), member 2

Calculated MW:

592 aa, 64 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IHC 1:50-1:500

## Applications

Tested Applications:

IHC, ELISA

Cited Applications:

WB, IHC

Species Specificity:

human, mouse

Cited Species:

human, mouse

Positive Controls:

IHC : human kidney tissue, mouse 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

SLC13A2 (Solute Carrier Family 13 Member 2) is involved in the transport of citric acid cycle intermediates, such as succinate, citrate, fumarate, and alpha-ketoglutarate (2-oxoglutarate), across cell membranes. In the liver, SLC13A2 has been shown to promote metabolic remodeling by transporting citrate, which is then converted to acetyl-CoA, a precursor for cholesterol synthesis and fatty acid metabolism (PMID: 39824985).

## Notable Publications

Author	Pubmed ID	Journal	Application
Gunars Osis	31188034	Am J Physiol Renal Physiol	
Sen Wang	28745433	Cancer Med	IHC
Hyun-Wook Lee	27927654	Am J Physiol Renal Physiol	WB, IHC

## 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

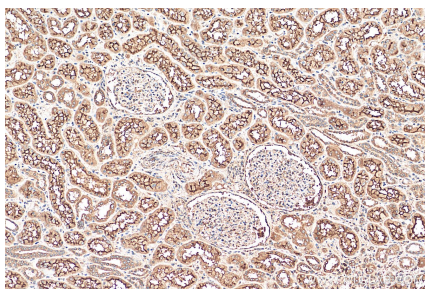
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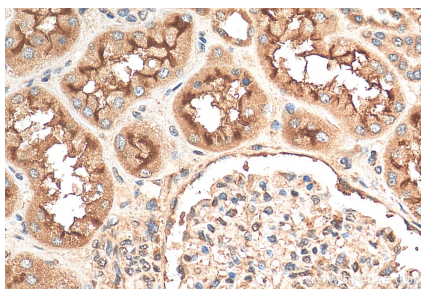
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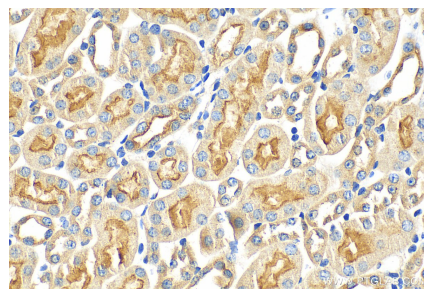
## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 21722-1-AP (SLC13A2 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 21722-1-AP (SLC13A2 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 21722-1-AP (SLC13A2 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).