

For Research Use Only

# SLC22A2 Polyclonal antibody

Catalog Number: 13594-1-AP **2 Publications**



## Basic Information

<b>Catalog Number:</b> 13594-1-AP	<b>GenBank Accession Number:</b> BC039899	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 500 µg/ml	<b>GeneID (NCBI):</b> 6582	<b>Recommended Dilutions:</b> WB 1:500-1:3000
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> O15244	
<b>Isotype:</b> IgG	<b>Full Name:</b> solute carrier family 22 (organic cation transporter), member 2	
<b>Immunogen Catalog Number:</b> AG4500	<b>Calculated MW:</b> 555 aa, 63 kDa	
	<b>Observed MW:</b> 60-70 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : mouse kidney tissue, HEK-293 cells, rat kidney tissue
<b>Cited Applications:</b> WB	
<b>Species Specificity:</b> human, mouse, rat	
<b>Cited Species:</b> human, mouse	

## Background Information

SLC22A2, also named as OCT2, belongs to the major facilitator (TC 2.A.1) superfamily and Organic cation transporter (TC 2.A.1.19) family. The SLC22A2 gene encodes for the organic cation transporter 2 (OCT2) protein which acts as a renal uptake transporter. Human OCT2 (hOCT2) is expressed on the basolateral side of the proximal tubule cells and plays a crucial role in the disposition and renal clearance of cationic drugs and endogenous compounds (PMID: 35143948). SLC22A2 has 3 isoforms with the molecular mass of 27, 54 and 63 kDa. Sometimes higher molecular weight around 70 kDa can also be observed, which may be a modified variant of SLC22A2.

## Notable Publications

Author	Pubmed ID	Journal	Application
Ching-Feng Chiu	36076515	Biomed Pharmacother	WB
Xiangyi Wang	37577390	J Pharm Anal	WB

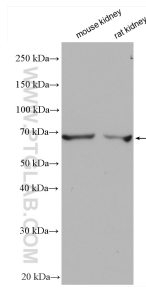
## Storage

**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:  
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 13594-1-AP (SLC22A2 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.