

For Research Use Only

SLC22A2 Polyclonal antibody

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



Basic Information

Catalog Number: 13594-1-AP	GenBank Accession Number: BC039899	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 133 µg/ml by Nanodrop and 133 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 6582	Recommended Dilutions: WB 1:500-1:3000
Source: Rabbit	Full Name: solute carrier family 22 (organic cation transporter), member 2	
Isotype: IgG	Calculated MW: 555 aa, 63 kDa	
Immunogen Catalog Number: AG4500	Observed MW: 60-70 kDa	

Applications

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

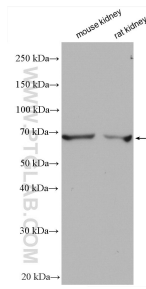
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 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)
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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.