

For Research Use Only

SLC22A3 Recombinant monoclonal antibody

Catalog Number: 87757-1-RR



Basic Information

Catalog Number: 87757-1-RR	GenBank Accession Number: NM_021977	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 6581	CloneNo.: 253195B7
Source: Rabbit	UNIPROT ID: O75751	Recommended Dilutions: WB: 1:500-1:2000
Isotype: IgG	Full Name: solute carrier family 22 (extraneuronal monoamine transporter), member 3	
	Calculated MW: 61KD	
	Observed MW: 61 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : mouse kidney tissue, human kidney tissue
Species Specificity: human, mouse	

Background Information

Solute carrier family 22 member 3 (SLC22A3) is also named Extraneuronal monoamine transporter (EMT) and Organic cation transporter 3 (OCT3). It belongs to the SLC22 transporter family. SLC22A3 is a high-capacity, low-affinity transporter for the neurotransmitters norepinephrine, epinephrine, dopamine, serotonin, and histamine. SLC22A3 plays important roles in interorgan and interorganism small-molecule communication, and also regulates local and overall homeostasis in the body (PMID: 37626799). OCT3 is more widely expressed than OCT1 and OCT2. OCT3 expression is widespread and can be found in the skeletal muscle, heart, brain, placenta, cornea, retina, iris, liver, kidney, and vascular endothelial cells (PMID: 29309257, PMID: 2169772).

Storage

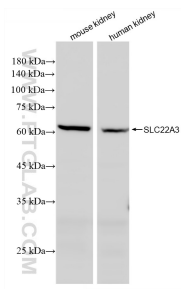
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 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 87757-1-RR (SLC22A3 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.