

For Research Use Only

SLC22A4 Recombinant antibody

Catalog Number: 83192-1-RR



Basic Information

Catalog Number: 83192-1-RR	GenBank Accession Number: BC028313	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 6583	CloneNo.: 240064D5
Source: Rabbit	UNIPROT ID: Q9H015	Recommended Dilutions: WB 1:5000-1:50000
Isotype: IgG	Full Name: solute carrier family 22 (organic cation/ergothioneine transporter), member 4	
Immunogen Catalog Number: AG3974	Calculated MW: 551 aa, 62 kDa	
	Observed MW: 62-65 kDa	

Applications

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

Background Information

SLC22A4 (solute carrier family 22 member 4), also known as OCTN1. It is expected to be located in cell membrane and mitochondrion membrane. It is strongly expressed in kidney, trachea, bone marrow and fetal liver and in several human cancer cell lines, but not in adult liver (PMID: 9426230). The protein functions as a Na⁺-dependent and pH-dependent high affinity microbial symporter of potent food-derived antioxidant ergothioneine (PubMed:15795384), which transports one sodium ion with one ergothioneine molecule.

Storage

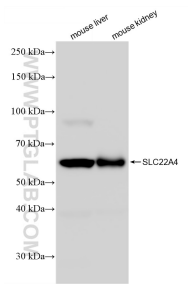
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

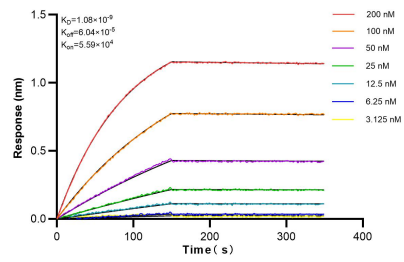
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 83192-1-RR (SLC22A4 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 83192-1-RR against Human SLC22A4 were performed. The affinity constant is 1.08 nM.