

For Research Use Only

SLC22A4 Recombinant antibody

Catalog Number: 83192-1-RR



Basic Information

Catalog Number:

83192-1-RR

Size:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG3974

GenBank Accession Number:

BC028313

GeneID (NCBI):

6583

UNIPROT ID:

Q9H015

Full Name:

solute carrier family 22 (organic cation/ergothioneine transporter), member 4

Calculated MW:

551 aa, 62 kDa

Observed MW:

62-65 kDa

Purification Method:

Protein A purification

CloneNo.:

240064D5

Recommended Dilutions:

WB 1:5000-1:50000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse

Positive Controls:

WB : mouse liver tissue, mouse kidney tissue

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

For technical support and original validation data for this product please contact:

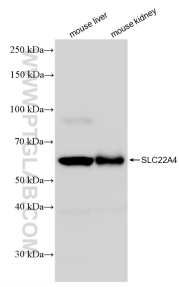
T: 4006900926

E: Proteintech-CN@ptglab.com

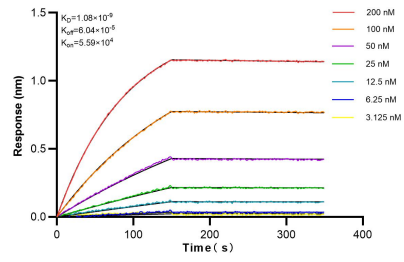
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Selected Validation Data



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.