

For Research Use Only

SLC3A1 Recombinant antibody

Catalog Number: 84856-2-RR



Basic Information

Catalog Number:

84856-2-RR

Size:

1000 μ g/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG9525

GenBank Accession Number:

BC022386

GeneID (NCBI):

6519

UNIPROT ID:

Q07837

Full Name:

solute carrier family 3 (cystine, dibasic and neutral amino acid transporters, activator of cystine, dibasic and neutral amino acid transport), member 1

Calculated MW:

685 aa, 79 kDa

Observed MW:

78-90 kDa

Purification Method:

Protein A purification

CloneNo.:

242370D3

Recommended Dilutions:

WB 1:5000-1:50000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse, rat

Positive Controls:

WB : rat kidney tissue, mouse kidney tissue

Background Information

SLC3A1 (Neutral and basic amino acid transport protein rBAT) is also named as NBAT, D2h, RBAT. It is involved in the high-affinity, sodium-independent transport of cystine and neutral and dibasic amino acids (system B(0,+)-like activity). SLC3A1 can be degraded, at least in part, via the endoplasmic reticulum-associated degradation (ERAD) pathway (PMID:18332091). SLC3A1 has different isoforms vary from 79 kDa to 36 kDa and the 85 kDa glycosylated protein can be detected in SDS-PAGE. (PMID:11546643)

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:

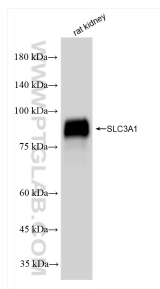
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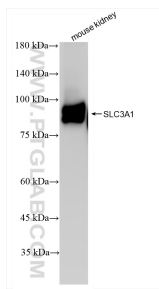
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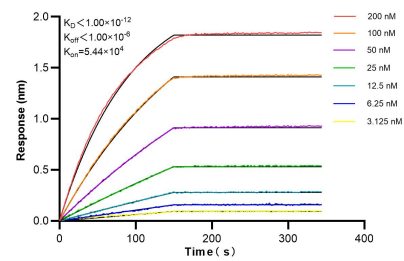
Selected Validation Data



rat kidney tissue were subjected to SDS PAGE followed by western blot with 84856-2-RR (SLC3A1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



mouse kidney tissue were subjected to SDS PAGE followed by western blot with 84856-2-RR (SLC3A1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 84856-2-RR against Human SLC3A1 were performed. The affinity constant is below 1 pM.