

For Research Use Only

SLC3A1 Recombinant antibody, PBS Only (Capture)

Catalog Number:84856-2-PBS



Basic Information

Catalog Number:

84856-2-PBS

Size:

1 mg/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

Applications

Tested Applications:

WB, Cytometric bead array, Indirect ELISA

Species Specificity:

human, mouse, rat

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 36kDa and the 85 kDa glycosylated protein can be detected in SDS-PAGE. (PMID:11546643)

Storage

Storage:

Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS Only

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

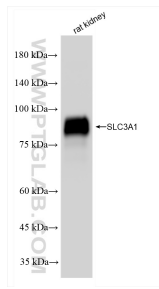
T: 4006900926

E: Proteintech-CN@ptglab.com

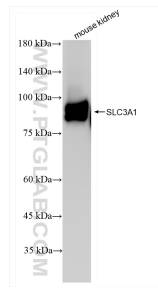
W: ptgcn.com

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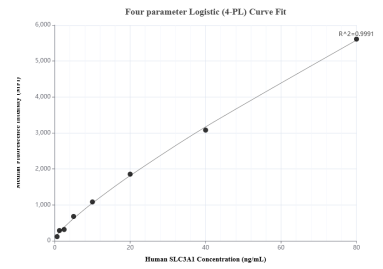
Selected Validation Data



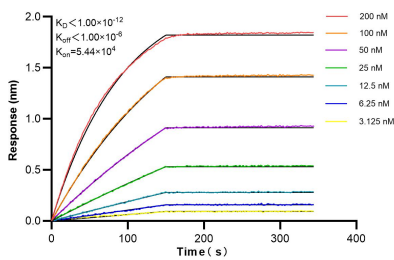
rat kidney tissue were subjected to SDS PAGE followed by western blot with 84856-2-RR (SLC3A1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84856-2-PBS in a different storage buffer formulation.



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. This data was developed using the same antibody clone with 84856-2-PBS in a different storage buffer formulation.



Cytometric bead array standard curve of MP01622-2, SLC3A1 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 84856-2-PBS. Detection antibody: 84856-3-PBS. Standard: Ag9525. Range: 0.625-80 ng/mL.



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