

CD98/SLC3A2 Rabbit mAb

Catalog No.: A28586 **Recombinant**

Basic Information

Observed MW

70-100 kDa

Calculated MW

58 kDa/62 kDa

Category

Primary antibody

Applications

WB,IF-P,IHC-P,ELISA

Cross-Reactivity

Mouse, Rat

CloneNo number

ARC79810

Background

Enables protein homodimerization activity. Involved in L-leucine transport. Located in apical pole of neuron and plasma membrane. Is active in synapse. Is expressed in several structures, including alimentary system; brain; eye; genitourinary system; and hemolymphoid system gland. Human ortholog(s) of this gene implicated in lung non-small cell carcinoma. Orthologous to human SLC3A2 (solute carrier family 3 member 2).

Recommended Dilutions

WB 1:2000 - 1:15000

IF-P 1:200 - 1:400

IHC-P 1:2000 - 1:8000

ELISA Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements. Please optimize the concentration based on your specific assay requirements. For high-ratio antibody dilutions (≥1:10000) a sequential dilution method is strongly recommended to ensure measurement accuracy.

Immunogen Information

Gene ID

17254

Swiss Prot

P10852

Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

Synonyms

4F2; Cd98; Ly10; Mdu1; 4F2HC; Ly-10; NACAE; Ly-m10; Mgp-2hc

Product Information

Source

Rabbit

Isotype

IgG

Purification

Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.09% Sodium azide, 0.05% BSA, 50% glycerol, pH7.3

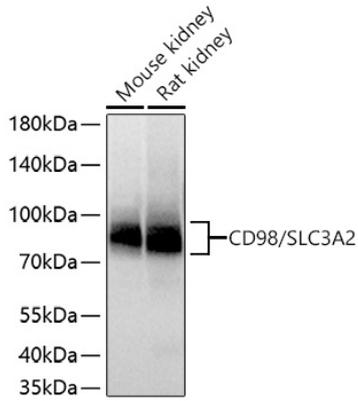
Contact

 | 400-999-6126

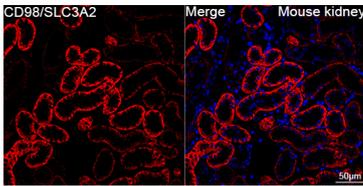
 | cn.market@abclonal.com.cn

 | www.abclonal.com.cn

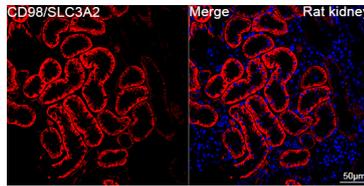
Validation Data



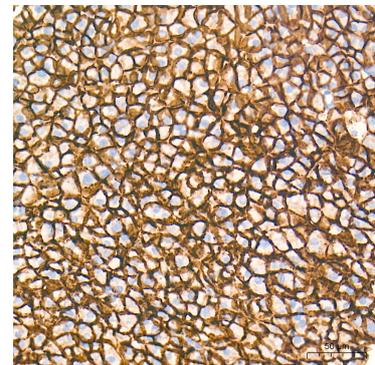
Western blot analysis of various lysates using CD98/SLC3A2 Rabbit mAb (A28586) at 1:5000 dilution incubated overnight at 4°C. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 1 s.



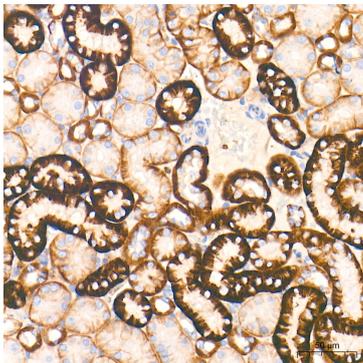
Confocal imaging of paraffin-embedded Mouse kidney tissue using CD98/SLC3A2 Rabbit mAb (A28586, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.



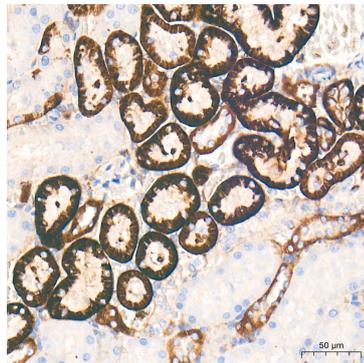
Confocal imaging of paraffin-embedded Rat kidney tissue using CD98/SLC3A2 Rabbit mAb (A28586, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.



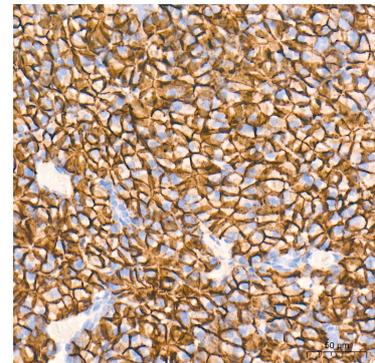
Immunohistochemistry analysis of paraffin-embedded Mouse pancreas tissue using CD98/SLC3A2 Rabbit mAb (A28586) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse kidney tissue using CD98/SLC3A2 Rabbit mAb (A28586) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat kidney tissue using CD98/SLC3A2 Rabbit mAb (A28586) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat pancreas tissue using CD98/SLC3A2 Rabbit mAb (A28586) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.