

CD98/SLC3A2 Rabbit mAb

Catalog NO.: A28586 **Recombinant**

Basic Information

Observed MW

70-100 kDa

Calculated MW

58 kDa/62 kDa

Category

Monoclonal Antibodies

Applications

WB, IF-P, IHC-P, ELISA

Cross-Reactivity

Mouse, Rat

Conjugation

Unconjugated

Clone 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)

Contact

Immunogen Information

Gene ID	Swiss Prot
17254	P10852

Immunogen

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

Synonyms

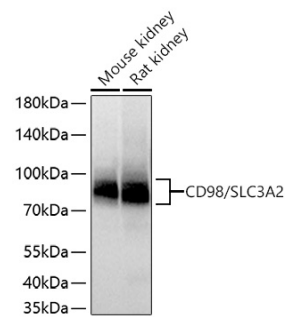
4F2; Cd98; Ly10; Mdu1; 4F2HC; Ly-10; NACAE; Ly-m10; Mgp-2hc

Product Information

☒		order@abclonal.com
☒		service@abclonal.com
☒		www.abclonal.com

Source	Isotype	Purification
Rabbit	IgG	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		

Validation Data



Western blot analysis of various lysates using CD98/SLC3A2 Rabbit mAb (A28586) at 1:5000 dilution incubated overnight at 4°C.

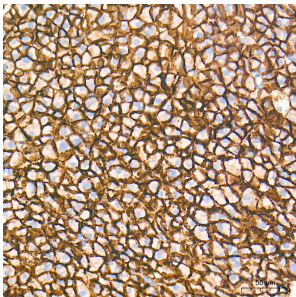
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25 µg per lane.

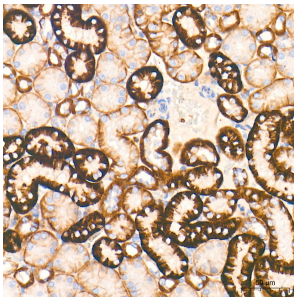
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

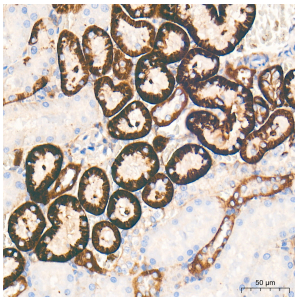
Exposure time: 1 s.



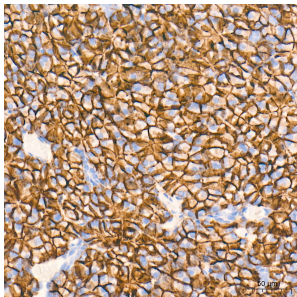
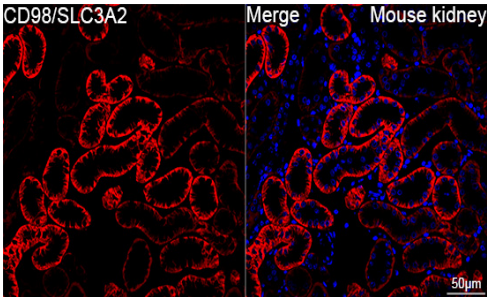
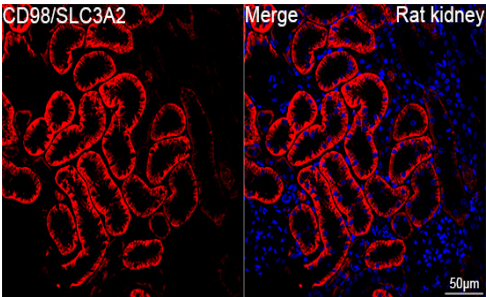
Immunohistochemistry analysis of paraffin-embedded Mouse pancreas tissue using CD98/SLC3A2 Rabbit mAb (A28586) at a dilution of 1:2000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



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.

Antibody | Protein | ELISA Kit | Enzyme | NGS | Service

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.

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