

For Research Use Only

# CD98/SLC3A2 Recombinant antibody

Catalog Number: 84387-6-RR



## Basic Information

### Catalog Number:

84387-6-RR

### Size:

1000 µg/ml

### Source:

Rabbit

### Isotype:

IgG

### GenBank Accession Number:

NM\_002394.5

### GeneID (NCBI):

6520

### UNIPROT ID:

P08195-1

### Full Name:

solute carrier family 3 (activators of dibasic and neutral amino acid transport), member 2

### Calculated MW:

68kDa

### Observed MW:

68-125 kDa

### Purification Method:

Protein A purification

### CloneNo.:

241755A11

### Recommended Dilutions:

WB 1:5000-1:50000

IF/ICC 1:125-1:500

## Applications

### Tested Applications:

WB, IF/ICC, ELISA

### Species Specificity:

human

### Positive Controls:

WB : HeLa cells,

IF/ICC : HepG2 cells,

## Background Information

CD98 is a 125-kDa type II membrane glycoprotein heterodimer composed of a 40-kDa non-glycosylated light chain (amino-acid transporter) and an 85-kDa glycosylated heavy chain (CD98hc) (PMID: 11507094). CD98hc also interacts with certain integrin  $\beta$ -subunits to regulate cell migration, survival, proliferation, and adhesion/polarity. CD98hc is overexpressed on the cell surface of many cancers and increased CD98hc expression is associated with the development and progression of tumors (PMID: 25084765). Molecular orientation studies have demonstrated that the C-terminal tail of human CD98 (hCD98), which contains a PDZ-binding domain, is extracellular (PMID: 18625289).

## 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:

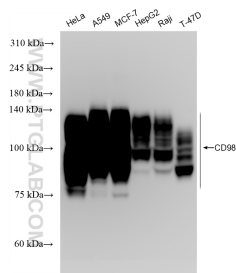
T: 4006900926

E: Proteintech-CN@ptglab.com

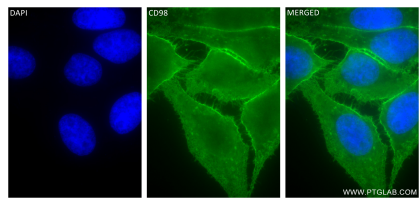
W: ptgcn.com

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84387-6-RR (CD98 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using CD98 antibody (84387-6-RR, Clone: 241755A11 ) at dilution of 1:250 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).