

For Research Use Only

# CD98/SLC3A2 Recombinant antibody, PBS Only

Catalog Number: 84387-6-PBS



## Basic Information

### Catalog Number:

84387-6-PBS

### Size:

100ug , Concentration: 1 mg/ml by  
Nanodrop;

### 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

## Applications

### Tested Applications:

WB, IF/ICC, Indirect ELISA

### Species Specificity:

human

## 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 b-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 -80°C.

### Storage Buffer:

PBS Only

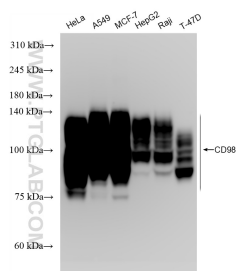
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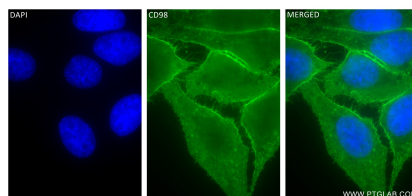
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## Selected Validation Data



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. This data was developed using the same antibody clone with 84387-6-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 84387-6-PBS in a different storage buffer formulation.