

For Research Use Only

# CD98/SLC3A2 Polyclonal antibody

Catalog Number: 32010-1-AP



## Basic Information

### Catalog Number:

32010-1-AP

### Size:

150ul , Concentration: 450 ug/ml by Nanodrop;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

EG1948

### 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:

85-94 kDa, 120-130 kDa

### Purification Method:

Antigen affinity Purification

### Recommended Dilutions:

WB: 1:5000-1:50000

## Applications

### Tested Applications:

WB, ELISA

### Species Specificity:

human

### Positive Controls:

WB : Jurkat cells, MCF-7 cells, T-47D cells

## Background Information

CD98 is a cell-surface heterodimer consisting of a heavy chain (CD98hc) and a light chain. 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). This protein has 4 isoforms with the molecular mass of 58-71 kDa and can be detected 85-94 kDa due to glycosylation. The glycosylated CD98hc can links to a non-glycosylated light chain (~40 kDa) via a disulfide bond to form a heterodimeric CD98 antigen with molecular mass of 120-130 kDa (PMID: 14770309).

## Storage

### Storage:

Store at -20°C. Stable for one year after shipment.

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

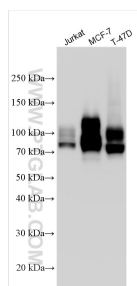
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 32010-1-AP (CD98/SLC3A2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.