

**DATASHEET**

**CD98 Rabbit Polyclonal Antibody**

CAT. NO. APA13703

**KEY FEATURES**

|               |   |               |                     |
|---------------|---|---------------|---------------------|
| Target        | CD98  | Source / Host | Rabbit              |
| Reactivity    | Human, Mouse, Rat   | Clonality     | Polyclonal          |
| Applications  | WB  | Conjugation   | Unconjugated        |
| Form / Buffer | Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide. |               | Storage<br>at -20°C |

**BACKGROUND**

Acts as a chaperone that facilitates biogenesis and trafficking of functional transporters heterodimers to the plasma membrane. Forms heterodimer with SLC7 family transporters (SLC7A5, SLC7A6, SLC7A7, SLC7A8, SLC7A10 and SLC7A11), a group of amino-acid antiporters, a group of amino-acid antiporters. Heterodimers function as amino acids exchangers, the specificity of the substrate depending on the SLC7A subunit. Heterodimers SLC3A2/SLC7A6 or SLC3A2/SLC7A7 mediate the uptake of dibasic amino acids. Heterodimer SLC3A2/SLC7A11 functions as an antiporter by mediating the exchange of extracellular anionic L-cysteine and intracellular L-glutamate across the cellular plasma membrane. SLC3A2/SLC7A10 translocates small neutral L- and D-amino acids across the plasma membrane.

**APPLICATION**

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

|    |                |
|----|----------------|
| WB | 1:500 - 1:2000 |
|----|----------------|

\*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

**PRODUCT OVERVIEW**

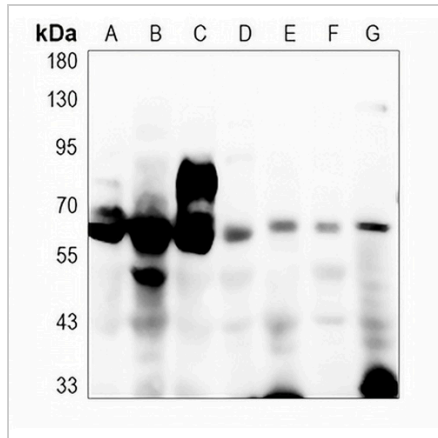
|                   |   |
|-------------------|---|
| Description       | Rabbit polyclonal antibody to CD98  |
| Specificity       | Recognizes endogenous levels of CD98 protein.   |
| Antibody Type     | Primary antibody  |
| Immunogen         | Recombinant fusion protein of human CD98  |
| Purification      | The antibody was purified by immunogen affinity chromatography.   |
| Molecular Weight  | Predicted: 71; Observed: 67 kD  |
| Form/Buffer       | Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.   |
| Alternative Names | MDU1; 4F2 cell-surface antigen heavy chain; 4F2hc; 4F2 heavy chain antigen; Lymphocyte activation antigen 4F2 large subunit; Solute carrier family 3 member 2; CD98 |
| Gene Symbol       | SLC3A2  |
| Entrez Gene       | 6520(Human); 17254(Mouse)   |
| SwissProt         | P08195(Human); P10852(Mouse)  |

\*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact [info@arexbio.com](mailto:info@arexbio.com) or your local distributor.

\*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

**DATASHEET****CD98 Rabbit Polyclonal Antibody**

CAT. NO. APA13703

**DATA**

Western blot analysis of CD98 expression in HepG2 (A), Jurkat (B), H1792 (C), mouse brain (D), mouse kidney (E), rat brain (F), rat kidney (G) whole cell lysates. (Predicted band size: 71; 67; 61; 57 kD; Observed band size: 67 kD)

**STORAGE**

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

**NOTE**

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.