

**SLC7A1 Antibody (C-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP16229b****Specification**

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**SLC7A1 Antibody (C-term) - Product Information**

|                   |                             |
|-------------------|-----------------------------|
| Application       | WB,E                        |
| Primary Accession | <a href="#">P30825</a>      |
| Other Accession   | <a href="#">NP_003036.1</a> |
| Reactivity        | Human                       |
| Host              | Rabbit                      |
| Clonality         | Polyclonal                  |
| Isotype           | Rabbit IgG                  |
| Calculated MW     | 67638                       |
| Antigen Region    | 429-457                     |

**SLC7A1 Antibody (C-term) - Additional Information****Gene ID** 6541**Other Names**

High affinity cationic amino acid transporter 1, CAT-1, CAT1, Ecotropic retroviral leukemia receptor homolog, Ecotropic retrovirus receptor homolog, ERR, Solute carrier family 7 member 1, System Y+ basic amino acid transporter, SLC7A1, ATRC1, ERR, REC1L

**Target/Specificity**

This SLC7A1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 429-457 amino acids from the C-terminal region of human SLC7A1.

**Dilution**

WB~~1:1000

E~~Use at an assay dependent concentration.

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

SLC7A1 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**SLC7A1 Antibody (C-term) - Protein Information****Name** SLC7A1 ([HGNC:11057](#))

**Function** High-affinity, low capacity permease involved in the transport of the cationic amino acids (arginine, lysine and ornithine) in non-hepatic tissues.

**Cellular Location**

Cell membrane {ECO:0000250|UniProtKB:Q09143}; Multi-pass membrane protein

**Tissue Location**

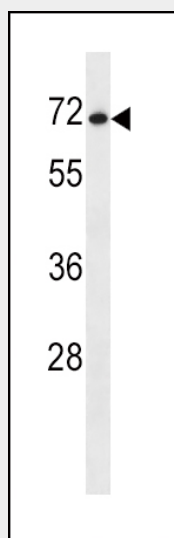
Ubiquitous..

**SLC7A1 Antibody (C-term) - Protocols**

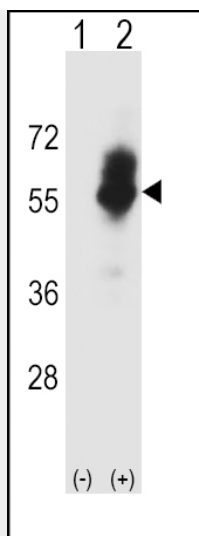
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**SLC7A1 Antibody (C-term) - Images**



SLC7A1 Antibody (C-term) (Cat. #AP16229b) western blot analysis in NCI-H460 cell line lysates (35ug/lane). This demonstrates the SLC7A1 antibody detected the SLC7A1 protein (arrow).



Western blot analysis of SLC7A1 (arrow) using rabbit polyclonal SLC7A1 Antibody (C-term) (Cat. #AP16229b). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the SLC7A1 gene.

#### **SLC7A1 Antibody (C-term) - Background**

High-affinity, low capacity permease involved in the transport of the cationic amino acids (arginine, lysine and ornithine) in non-hepatic tissues. May also function as an ecotropic retroviral leukemia receptor.

#### **SLC7A1 Antibody (C-term) - References**

Yang, Z., et al. Hum. Mutat. 30(3):328-333(2009)  
Jaeger, K., et al. Histochem. Cell Biol. 129(3):321-329(2008)  
Broer, S. Physiol. Rev. 88(1):249-286(2008)  
Maeda, T., et al. Drug Metab. Pharmacokinet. 23(3):181-187(2008)  
Kaneko, S., et al. Am. J. Physiol., Cell Physiol. 293 (2), C729-C737 (2007) :