

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

SLC7A1 Antibody (C-term) - Product Information

Application	WB,E
Primary Accession	P30825
Other Accession	NP_003036.1
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

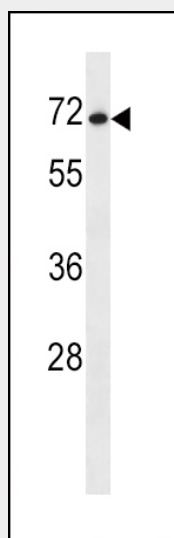
Ubiquitous..

SLC7A1 Antibody (C-term) - Protocols

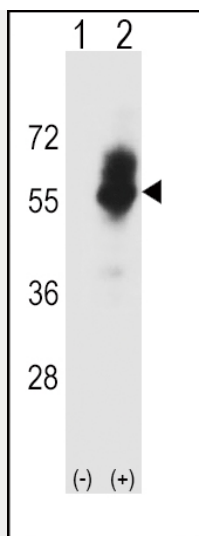
Provided below are standard protocols that you may find useful for product applications.

- [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) :