

Rabbit anti-Human SLC7A1 Polyclonal Antibody | anti-SLC7A1 antibody

SLC7A1 Antibody (C-term)

CATALOG # AAA284671	HOST Rabbit	REACTIVITY Human	APPLICATIONS ELISA, Western Blot
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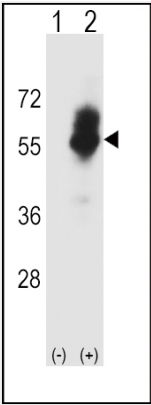
PRODUCT SYNONYMS

SLC7A1; Polyclonal Antibody; SLC7A1 Antibody (C-term); 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; ATRC1; REC1L; anti-SLC7A1 antibody

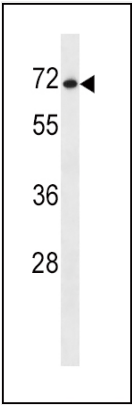
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
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.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/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.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	429-457
Sequence Length	629
Applicable Applications for anti-SLC7A1 antibody	ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



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



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

ADDITIONAL INFORMATION

Related Product Information for anti-SLC7A1 antibody	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.
Product Categories/Family for anti-SLC7A1 antibody	Metabolism ; Neuroscience ; Signal Transduction
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) :

NCBI AND UNIPROT INFORMATION

NCBI GI #	4507047
NCBI GeneID	6541
NCBI Accession #	NP_003036.1
NCBI GenBank Nucleotide #	NM_003045.4
UniProt Accession #	P30825 ; Q5JR50
Molecular Weight	67638
NCBI Official Full Name	high affinity cationic amino acid transporter 1
NCBI Official Synonym Full Names	solute carrier family 7 (cationic amino acid transporter, y+ system), member 1
NCBI Official Symbol	SLC7A1
NCBI Official Synonym Symbols	ERR; ATRC1; CAT-1; HCAT1; REC1L
NCBI Protein Information	high affinity cationic amino acid transporter 1
UniProt Protein Name	High affinity cationic amino acid transporter 1
UniProt Gene Name	SLC7A1
UniProt Synonym Gene Names	ATRC1; ERR; REC1L; CAT-1; CAT1; ERR
UniProt Entry Name	CTR1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/slc7a1-antibody-western-blot-elisa/284671>