

Rabbit SLC7A1 Polyclonal Antibody | anti-SLC7A1 antibody

SLC7A1 antibody - N-terminal region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA199326	Rabbit	Tested Reactivity: Human Predicted Reactivity Human, Cow, Horse, Pig, Rabbit	Western Blot

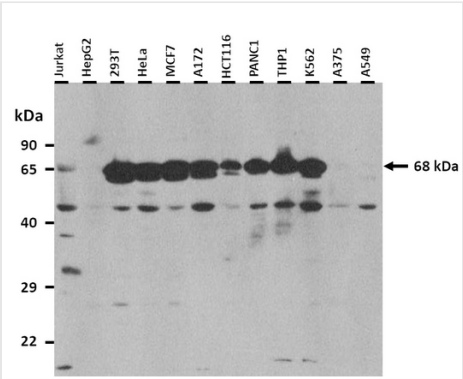
PRODUCT SYNONYMS

SLC7A1; Polyclonal Antibody; SLC7A1 antibody - N-terminal region; anti-SLC7A1 antibody

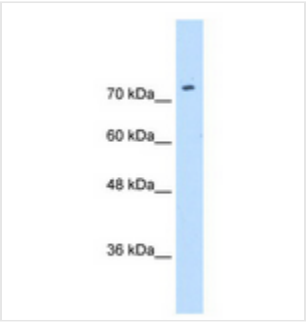
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Tested Reactivity: Human Predicted Reactivity Human, Cow, Horse, Pig, Rabbit
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Concentration	0.5 mg/mL (varies by lot)
Sequence	LGFIMVSGFV KGSVKNWQLT EEDFGNTSGR LCLNNDTKEG KPGVGGFMPP
Applicable Applications for anti-SLC7A1 antibody	WB (Western Blot)
Protein Size (# AA)	629 amino acids
Protein Interactions	FATE1; UBC; BAG3; APP; ELAVL1;
Blocking Peptide	For anti-SLC7A1 antibody is Catalog #
Replacement Item	This antibody may replace item sc-293226 from Santa Cruz Biotechnology.
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human SLC7A1
Predicted Homology	Cow: 100%; Horse: 93%; Human: 100%; Pig: 86%; Rabbit: 100%
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



Application Data
25 ug of the indicated Human whole cell or tissue extracts was loaded onto a 12% SDS-PAGE gel. 3 ug/mL of the antibody was used in this experiment. The 68 kDa and 66 kDa isoforms contain the peptide sequence and the protein may be glycosylated.



WB (Western Blot)
WB Suggested Anti-SLC7A1 Antibody Titration: 0.2-1 ug/ml
Positive Control: Jurkat cell lysate
SLC7A1 is strongly supported by BioGPS gene expression data to be expressed in Human Jurkat cells.

ADDITIONAL INFORMATION

Related Product Information for anti-SLC7A1 antibody	Description of Target: SLC7A1 is a high-affinity, low capacity permease involved in the transport of the cationic amino acids (arginine, lysine and ornithine) in non-hepatic tissues. It may also function as an ecotropic retroviral leukemia receptor.
Product Categories/Family for anti-SLC7A1 antibody	Polyclonal; Membrane Protein; Drugs and Drug Metabolism

NCBI AND UNIPROT INFORMATION

NCBI GI #	4507047
NCBI GeneID	6541
NCBI Accession #	NP_003036
NCBI GenBank Nucleotide #	NM_003045
UniProt Accession #	P30825
Molecular Weight	68kDa
NCBI Official Full Name	high affinity cationic amino acid transporter 1
NCBI Official Synonym Full Names	solute carrier family 7 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.