

Rabbit anti-Human CAT1 Polyclonal Antibody | anti-SLC7A1 antibody

Anti-CAT1 antibody

CATALOG # AAA45628	HOST Rabbit	REACTIVITY Human	APPLICATIONS Western Blot
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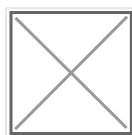
PRODUCT SYNONYMS

CAT1; Polyclonal Antibody; Anti-CAT1 antibody; High affinity cationic amino acid transporter 1; solute carrier family 7(cationic amino acid transporter; y+ system); member 1; Amino acid transporter cationic 1 antibody; ATRC1 antibody; CAT-1 antibody; CaT1 antibody; CTR1_HUMAN antibody; Ecotropic retroviral leukemia receptor homolog antibody; Ecotropic retroviral receptor antibody; Ecotropic retrovirus receptor homolog antibody; ERR antibody; HCAT1 antibody; High affinity cationic amino acid transporter 1 antibody; High-affinity cationic amino acid transporter-1 antibody; REC1L antibody; SLC7A1 antibody; Solute carrier family 7(cationic amino acid transporter; y+ system) member 1 antibody; Solute carrier family 7 member 1 antibody; System Y+ basic amino acid transporter antibody; anti-SLC7A1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	No cross reactivity with other proteins.
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized; Contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg NaN ₃ .
Applicable Applications for anti-SLC7A1 antibody	WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human CAT1 (613-629aa LDADQARTPDGNLDQCK), different from the related mouse and rat sequences by four amino acids.
Reconstitution	0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

IMAGES


WB (Western Blot)

Anti-CAT1 antibody, AAA45628, Western blotting
Lane 1: Human Placenta Tissue Lysate
Lane 2: HELA Cell Lysate
Lane 3: SKOV-3 Cell Lysate
Lane 4: HT1080 Cell Lysate

ADDITIONAL INFORMATION

Related Product Information for anti-SLC7A1 antibody	High affinity cationic amino acid transporter 1, also called solute carrier family 7(cationic amino acid transporter, y+ system), member 1(SLC7A1) or ATRC1 is a protein that in humans is encoded by the SLC7A1 gene. This gene is mapped to 13q12.3. It acts as a cationic amino acid transporter and as an ecotropic retrovirus receptor and plays a role in the Na+-independent y+ cationic amino acid transport system. This gene is high-affinity, low capacity permease involved in the transport of the cationic amino acids(arginine, lysine and ornithine) in non-hepatic tissues.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	1706185
NCBI GeneID	6541
UniProt Accession #	P30825; Q5JR50
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; CAT1; ecotropic retroviral receptor; solute carrier family 7 member 1; amino acid transporter, cationic 1; ecotropic retrovirus receptor homolog; system Y+ basic amino acid transporter; ecotropic retroviral leukemia receptor homolog
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.