

Rabbit anti-Human CAT-1 Polyclonal Antibody | anti-CAT-1 antibody

Rabbit anti-CAT-1 Antibody, Affinity Purified

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA212669	Rabbit	Human	Immunoprecipitation, Western Blot

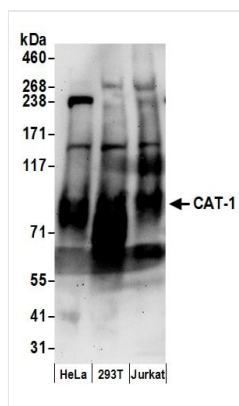
PRODUCT SYNONYMS

CAT-1; Polyclonal Antibody; Rabbit anti-CAT-1 Antibody; Affinity Purified; amino acid transporter; cationic 1; HCAT1; system Y+ basic amino acid transporter; Solute carrier family 7 member 1; solute carrier family 7 (cationic amino acid transporter; y+ system); member 1; REC1L; high affinity cationic amino acid transporter 1; ERR; ecotropic retrovirus receptor homolog; ecotropic retroviral receptor; ecotropic retroviral leukemia receptor homolog; ATRC1; CAT1; High affinity cationic amino acid transporter 1; solute carrier family 7 member 1; anti-CAT-1 antibody

PRODUCT SPECIFICATIONS

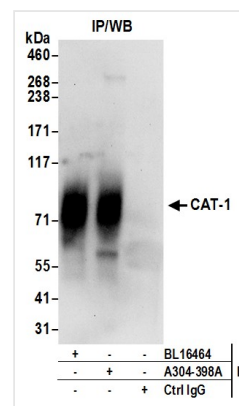
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
Concentration	1000ug/ml (varies by lot)
Applicable Applications for anti-CAT-1 antibody	IP (Immunoprecipitation), WB (Western Blot)
Immunogen	Between 579 and C-terminus
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt

IMAGES



WB (Western Blot)

Detection of human CAT-1 by western blot. Samples: Whole cell lysate (50 ug) prepared using RIPA buffer from HeLa, HEK293T, and Jurkat cells. Antibodies: Affinity purified rabbit anti-CAT-1 antibody AAA212669 (lot AAA212669-1) used for WB at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 3 minutes.



IP (Immunoprecipitation)

Detection of human CAT-1 by western blot of immunoprecipitates. Samples: Whole cell lysate (0.5 or 1.0 mg per IP reaction; 20% of IP loaded) prepared using RIPA buffer from Jurkat cells. Antibodies: Affinity purified rabbit anti-CAT-1 antibody AAA212669 (lot AAA212669-1) used for IP at 6 ug per reaction. CAT-1 was also immunoprecipitated by rabbit anti-CAT-1 antibody BL16464. For blotting immunoprecipitated CAT-1, AAA212669 was used at 1 ug/ml. Detection: Chemiluminescence with an exposure time of 30 seconds.

ADDITIONAL INFORMATION

Related Product Information for anti-CAT-1 antibody	CAT-1 is a high-affinity, low capacity permease involved in the transport of the cationic amino acids (arginine, lysine and ornithine) in non-hepatic tissues. CAT-1 may also function as an ecotropic retroviral leukemia receptor [taken from the Universal Protein Resource (UniProt) www.uniprot.org/uniprot/P30825].
Product Categories/Family for anti-CAT-1 antibody	Primary Antibodies

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	67,638 Da
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/polyclonal/cat-1-antibody-immunoprecipitation-western-blot-elisa/212669>