

Rabbit CAT1 Polyclonal Antibody | anti-SLC7A1 antibody

CAT1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA329017	Rabbit	Human, Mouse, Rat Predicted Reactivity: Pig(88%), Bovine(88%), Horse(88%), Sheep(88%), Rabbit(88%), Dog(88%)	ELISA

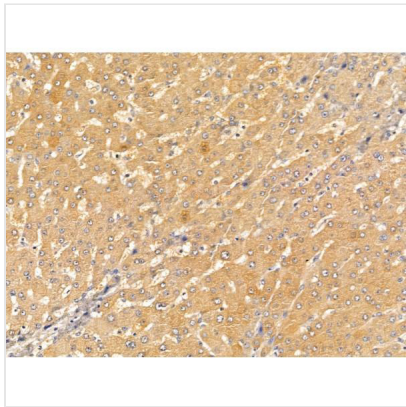
PRODUCT SYNONYMS

CAT1; Polyclonal Antibody; CAT1 Antibody; Amino acid transporter cationic 1; ATRC1; CAT-1; CaT1; CTR1_HUMAN; Ecotropic retroviral leukemia receptor homolog; Ecotropic retroviral receptor; Ecotropic retrovirus receptor homolog; ERR; HCAT1; High affinity cationic amino acid transporter 1; High-affinity cationic amino acid transporter-1; REC1L; Slc7a1; Solute carrier family 7 (cationic amino acid transporter; y+ system) member 1; Solute carrier family 7 member 1; System Y+ basic amino acid transporter; anti-SLC7A1 antibody

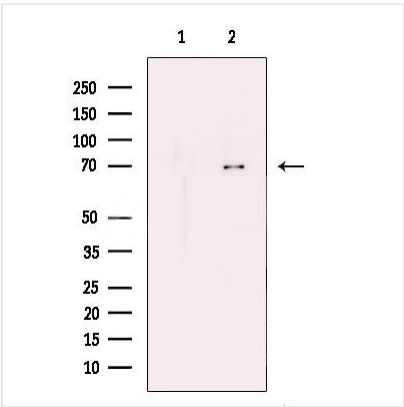
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted Reactivity: Pig(88%), Bovine(88%), Horse(88%), Sheep(88%), Rabbit(88%), Dog(88%)
Clonality	Polyclonal
Isotype	IgG
Specificity	CAT1 Antibody detects endogenous levels of total CAT1.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin (Thermo Fisher Scientific).
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol
Concentration	1mg/ml (varies by lot)
Sequence Length	629
Applicable Applications for anti-SLC7A1 antibody	ELISA
Immunogen	A synthesized peptide derived from human CAT1, corresponding to a region within the internal amino acids.
Fragment	Fab fragment
Preparation and Storage	Store at -20°C.

IMAGES



IHC (Immunohistochemistry)
AAA329017 at 1/100 staining Human liver cancer and adjacent normal tissues by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4Â°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



WB (Western Blot)
Western blot analysis of extracts from HepG2 cells, using CAT1 Antibody. The lane on the left was treated with blocking peptide.

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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	1706185
NCBI GeneID	6541
UniProt Accession #	P30825
Molecular Weight	67kD
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.