

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

SLC7A1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA234606	Rabbit	Human	Immunofluorescence, Immunohistochemistry, ELISA

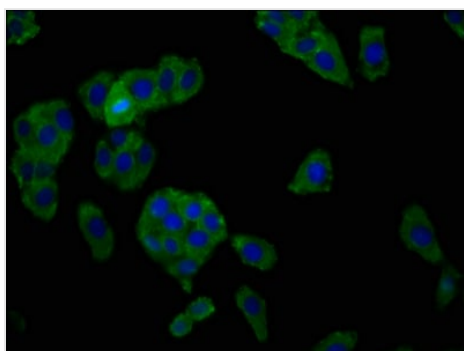
PRODUCT SYNONYMS

SLC7A1; Polyclonal Antibody; SLC7A1 Antibody; High affinity cationic amino acid transporter 1; CAT-1; Ecotropic retroviral leukemia receptor homolog; Ecotropic retrovirus receptor homolog; Solute carrier family 7 member 1; anti-SLC7A1 antibody

PRODUCT SPECIFICATIONS

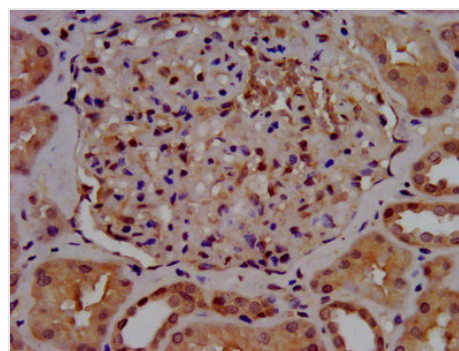
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%, Protein G purified
Form/Format	Liquid
Sequence Length	629
Applicable Applications for anti-SLC7A1 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), ELISA
Immunogen	Recombinant Human High affinity cationic amino acid transporter 1 protein (430-492AA)
Conjugation	Non-conjugated
Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, pH 7.4
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



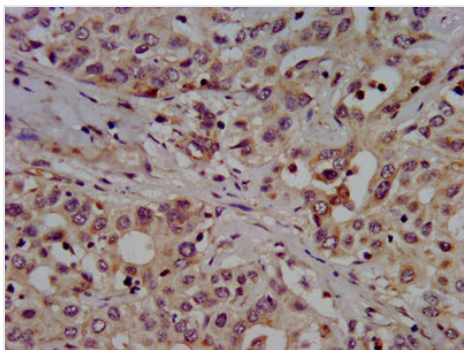
IHC (Immunohistochemistry)

Immunofluorescence staining of HepG2 cells with AAA234606 at 1:166, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4 degree C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG (H+L).



IHC (Immunohistochemistry)

IHC image of AAA234606 diluted at 1:500 and staining in paraffin-embedded human kidney tissue performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4 degree C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



IHC (Immunohistochemistry)
 IHC image of AAA234606 diluted at 1:500 and staining in paraffin-embedded human liver cancer performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4 degree C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.

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.
Product Categories/Family for anti-SLC7A1 antibody	Neuroscience; Cancer; Metabolism; Signal transduction

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 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	CAT1

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-immunofluorescence-immunohistochemistry-elisa/234606>