

Rabbit anti-Human SLC7A7 Polyclonal Antibody | anti-SLC7A7 antibody

SLC7A7 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA230519	Rabbit	Human	Immunofluorescence, Immunohistochemistry, Western Blot, ELISA

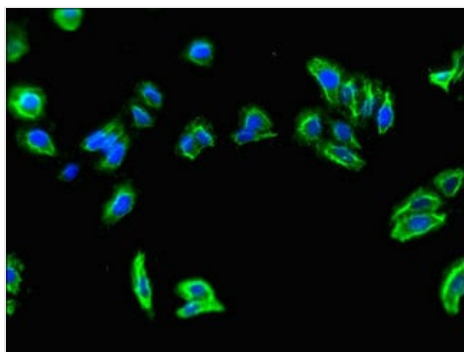
PRODUCT SYNONYMS

SLC7A7; Polyclonal Antibody; SLC7A7 Antibody; Y+L amino acid transporter 1; Monocyte amino acid permease 2; MOP-2; Solute carrier family 7 member 7; y(+)-type amino acid transporter 1; Y+LAT1; y+LAT-1; anti-SLC7A7 antibody

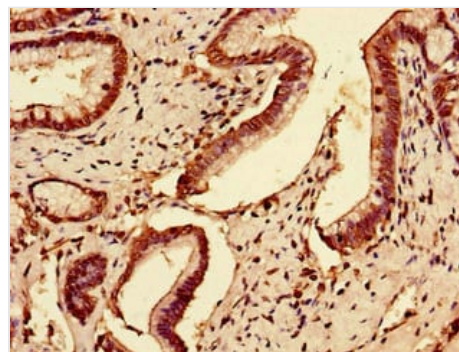
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%, Protein G purified
Form/Format	Liquid
Sequence Length	511
Applicable Applications for anti-SLC7A7 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen	Recombinant human Y+L amino acid transporter 1 protein
Conjugation	Non-conjugated
Storage Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-34553 / sc-34552 / sc-34554 / sc-34551 / sc-67129
Preparation and Storage	Shipped at 4 degree C. Upon delivery, aliquot and store at -20 degree C or -80 degree C.

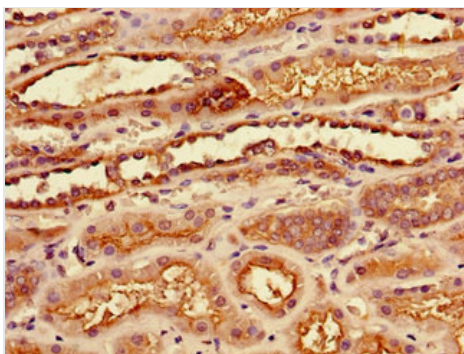
IMAGES


IF (Immunofluorescence)

Immunofluorescent analysis of HepG2 cells using AAA230519 at a dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)

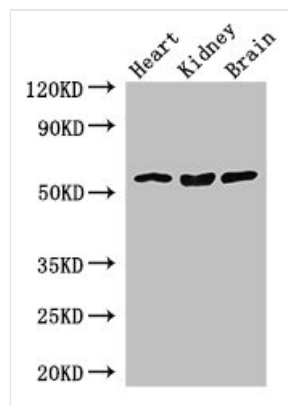

IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human pancreatic tissue using AAA230519 at dilution of 1:100



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human kidney tissue using AAA230519 at dilution of 1:100



WB (Western Blot)

Western Blot Positive WB detected in: Mouse heart tissue, Mouse kidney tissue, Mouse brain tissue. All lanes: SLC7A7 antibody at 3.5 µg/ml. Secondary: Goat polyclonal to rabbit IgG at 1/50000 dilution. Predicted band size: 56 kDa. Observed band size: 56 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-SLC7A7 antibody

Involved in the sodium-independent uptake of dibasic amino acids and sodium-dependent uptake of some neutral amino acids. Requires coexpression with SLC3A2/4F2hc to mediate the uptake of arginine, leucine and glutamine. Plays a role in nitric oxide synthesis in human umbilical vein endothelial cells (HUVECs) via transport of L-arginine. Involved in the transport of L-arginine in monocytes.

NCBI AND UNIPROT INFORMATION

NCBI GI #	186910306
NCBI GeneID	9056
NCBI Accession #	NP_001119577.1
NCBI GenBank Nucleotide #	NM_001126105.2
UniProt Accession #	Q9UM01; O95984; Q53XC1; Q86U07; Q9P2V5; B2RAU0; D3DS26
Molecular Weight	55,991 Da
NCBI Official Full Name	Y+L amino acid transporter 1
NCBI Official Synonym Full Names	solute carrier family 7 (amino acid transporter light chain, y+L system), member 7
NCBI Official Symbol	SLC7A7
NCBI Official Synonym Symbols	LPI; LAT3; MOP-2; Y+LAT1; y+LAT-1
NCBI Protein Information	Y+L amino acid transporter 1
UniProt Protein Name	Y+L amino acid transporter 1
UniProt Gene Name	SLC7A7
UniProt Synonym Gene Names	MOP-2; Y+LAT1; y+LAT-1
UniProt Entry Name	YLAT1_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.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/slc7a7-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/230519>