

Rabbit anti-Human, Mouse SLC7A6 Polyclonal Antibody | anti-SLC7A6 antibody

SLC7A6 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA26999	Rabbit	Human, Mouse	ELISA, Western Blot, Immunohistochemistry

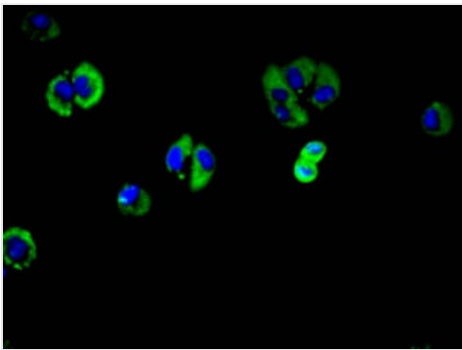
PRODUCT SYNONYMS

SLC7A6; Polyclonal Antibody; SLC7A6 Antibody; Y+L amino acid transporter 2; Cationic amino acid transporter; y+ system; Solute carrier family 7 member 6; y(+)-type amino acid transporter 2; Y+LAT2; y+LAT-2; KIAA0245; anti-SLC7A6 antibody

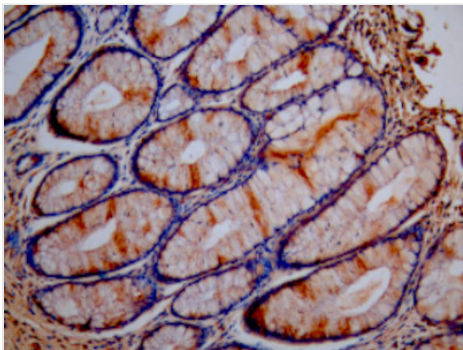
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%, Protein G purified
Form/Format	Liquid
Applicable Applications for anti-SLC7A6 antibody	ELISA, WB (Western Blot), IHC (Immunohistochemistry)
Application Notes	WB: 1:500-1:5000 IHC: 1:20-1:200
Immunogen	Recombinant Human Y+L amino acid transporter 2 protein (473-515AA)
Storage Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, pH 7.4
Conjugation	Non-conjugated
Immuogen Species	Human
Research Area	Neuroscience
Target Names	SLC7A6
Preparation and Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

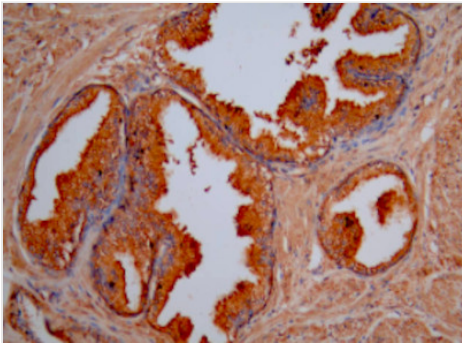
IMAGES



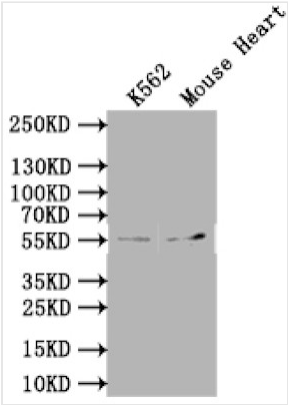
IF (Immunofluorescence)
Immunofluorescence staining of Hela cell with AAA26999 at 1:90, counter-stained with DAPI. The cells were fixed in 4% formaldehyde and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



IHC (Immunohistochemistry)
IHC image of AAA26999 diluted at 1:100 and staining in paraffin-embedded human colorectal 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°C overnight. The primary is detected by a Goat anti-rabbit polymer IgG labeled by HRP and visualized using 0.05% DAB.



IHC (Immunohistochemistry)
IHC image of AAA26999 diluted at 1:100 and staining in paraffin-embedded human prostate 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°C overnight. The primary is detected by a Goat anti-rabbit polymer IgG labeled by HRP and visualized using 0.05% DAB.



WB (Western Blot)
Western BlotPositive WB detected in: K562 whole cell lysate, Mouse Heart tissue lysateAll lanes: SLC7A6 antibody at 1:1000Secondary: Goat polyclonal to rabbit IgG at 1/50000 dilutionPredicted band size: 57 kDaObserved band size: 57 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-SLC7A6 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. Also acts as an arginine/glutamine exchanger, following an antiport mechanism for amino acid transport, influencing arginine release in exchange for extracellular amino acids. 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. Reduces uptake of ornithine in retinal pigment epithelial (RPE) cells.
Product Categories/Family for anti-SLC7A6 antibody	Neuroscience

NCBI AND UNIPROT INFORMATION

NCBI GI #	115648063
NCBI GeneID	9057
NCBI Accession #	NP_001070253.1
NCBI GenBank Nucleotide #	NM_001076785.2
UniProt Accession #	Q92536; Q68DS4; Q7L1N3

NCBI Official Full Name	Y+L amino acid transporter 2
NCBI Official Synonym Full Names	solute carrier family 7 member 6
NCBI Official Symbol	SLC7A6
NCBI Official Synonym Symbols	LAT3; LAT-2; y+LAT-2
NCBI Protein Information	Y+L amino acid transporter 2
UniProt Protein Name	Y+L amino acid transporter 2
UniProt Gene Name	SLC7A6
UniProt Synonym Gene Names	Y+LAT2; y+LAT-2

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/slc7a6-antibody-western-blot-immunohistochemistry-elisa/26999>