

Rabbit anti-Human YLAT2 Polyclonal Antibody | anti-SLC7A6 antibody

YLAT2 Antibody (C-term)

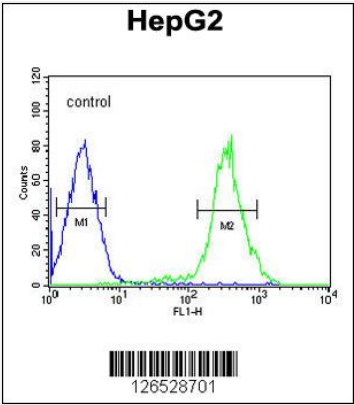
CATALOG # AAA286533	HOST Rabbit	REACTIVITY Human	APPLICATIONS Flow Cytometry, Functional Assay, ELISA, Western Blot
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PRODUCT SYNONYMS

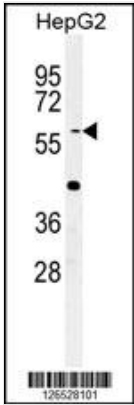
YLAT2; Polyclonal Antibody; YLAT2 Antibody (C-term); Y+L amino acid transporter 2; Cationic amino acid transporter; y+ system; Solute carrier family 7 member 6; y(+)-L-type amino acid transporter 2; Y+LAT2; y+LAT-2; SLC7A6 HGNC:11064; anti-SLC7A6 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This YLAT2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 487-515 amino acids from the C-terminal region of human YLAT2.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	487-515
Sequence Length	515
Applicable Applications for anti-SLC7A6 antibody	FCM/FACS (Flow Cytometry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



FCM/FACS (Flow Cytometry)
YLAT2 Antibody (C-term) flow cytometric analysis of HepG2 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



WB (Western Blot)
Western blot analysis of YLAT2 Antibody (C-term) in HepG2 cell line lysates (35ug/lane).YLAT2 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-SLC7A6 antibody	This protein involved in the sodium-independent uptake of dibasic amino acids and sodium-dependent uptake of some neutral amino acids. It requires co-expression with SLC3A2/4F2hc to mediate the uptake of arginine, leucine and glutamine. It also acts as an arginine/glutamine exchanger, following an antiport mechanism for amino acid transport, influencing arginine release in exchange for extracellular amino acids. It plays a role in nitric oxide synthesis in human umbilical vein endothelial cells (HUVECs) via transport of L-arginine. It involved in the transport of L-arginine in monocytes and reduces uptake of ornithine in retinal pigment epithelial (RPE) cells.
Product Categories/Family for anti-SLC7A6 antibody	Neuroscience
References	Sekine, Y., et al. J. Am. Soc. Nephrol. 20(7):1586-1596(2009) Broer, S. Physiol. Rev. 88(1):249-286(2008) Xu, D., et al. Mol. Cell Proteomics 4(8):1061-1071(2005)

NCBI AND UNIPROT INFORMATION

NCBI GI #	115648063
NCBI GeneID	9057
NCBI Accession #	NP_001070253.1; NP_003974.3
NCBI GenBank Nucleotide #	NM_001076785.2
UniProt Accession #	Q92536; Q68DS4; Q7L1N3
Molecular Weight	56828
NCBI Official Full Name	Y+L amino acid transporter 2
NCBI Official Synonym Full Names	solute carrier family 7 (amino acid transporter light chain, y+L system), 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/ylat2-antibody-flow-cytometry-western-blot-elisa/286533>