

Rabbit anti-Human SLC7A5 Polyclonal Antibody | anti-SLC7A5 antibody

SLC7A5 antibody - N-terminal region

CATALOG # AAA201226	HOST Rabbit	REACTIVITY Human	APPLICATIONS Western Blot
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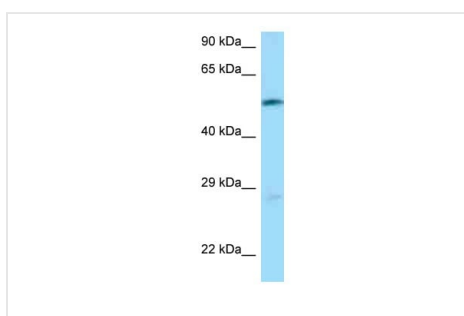
PRODUCT SYNONYMS

SLC7A5; Polyclonal Antibody; SLC7A5 antibody - N-terminal region; anti-SLC7A5 antibody

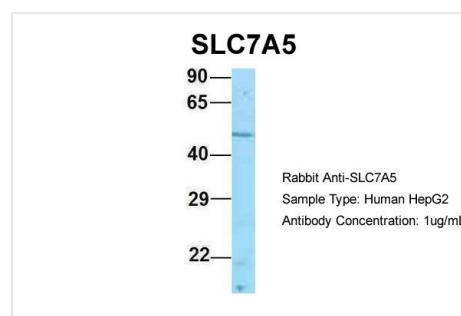
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following region: MA GAGPKRRALA APAEEKEEA REKMLAAKSA DGSAPAGEGE GVTLQRNI
Sequence Length	507
Applicable Applications for anti-SLC7A5 antibody	WB (Western Blot)
Homology	Human: 100%
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

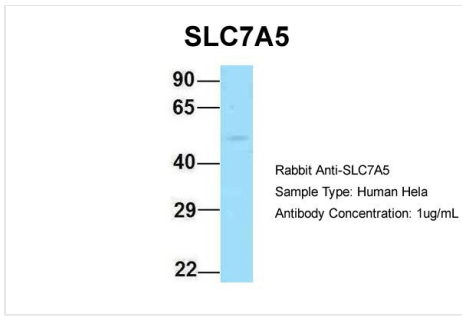
IMAGES


WB (Western Blot)

WB Suggested Anti-SLC7A5 Antibody Titration: 1.0 ug/ml Positive Control: Jurkat Whole Cell

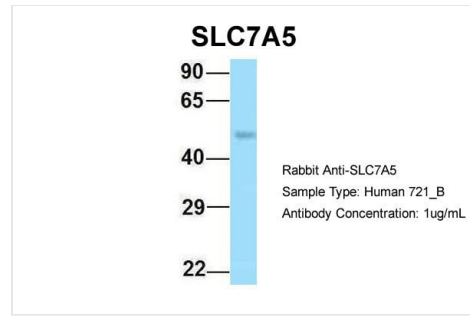

WB (Western Blot)

Host: Rabbit Target Name: SLC7A5 Sample Type: Human HepG2 Antibody Dilution: 1.0ug/ml SLC7A5 is supported by BioGPS gene expression data to be expressed in HepG2



WB (Western Blot)

Host: RabbitTarget Name: SLC7A5Sample Type: Human HeLaAntibody Dilution: 1.0ug/mL
SLC7A5 is supported by BioGPS gene expression data to be expressed in HeLa



WB (Western Blot)

Host: RabbitTarget Name: SLC7A5Sample Type: Human 721_BAntibody Dilution: 1.0ug/mL
SLC7A5 is supported by BioGPS gene expression data to be expressed in 721_B

ADDITIONAL INFORMATION

Related Product Information for anti-SLC7A5 antibody	This is a rabbit polyclonal antibody against SLC7A5. It was validated on Western Blot
	Target Description: SLC7A5 is a sodium-independent, high-affinity transport of large neutral amino acids such as phenylalanine, tyrosine, leucine, arginine and tryptophan, when associated with SLC3A2/4F2hc. SLC7A5 is involved in cellular amino acid uptake. SLC7A5 acts as an amino acid exchanger. SLC7A5 is involved in the transport of L-DOPA across the blood-brain barrier, and that of thyroid hormones triiodothyronine (T3) and thyroxine (T4) across the cell membrane in tissues such as placenta. SLC7A5 plays a role in neuronal cell proliferation (neurogenesis) in brain. SLC7A5 is involved in the uptake of methylmercury (MeHg) when administered as the L-cysteine or D,L-homocysteine complexes, and hence plays a role in metal ion homeostasis and toxicity. SLC7A5 is involved in the cellular activity of small molecular weight nitrosothiols, via the stereoselective transport of L-nitrosocysteine (L-CNSO) across the transmembrane. SLC7A5 may play an important role in high-grade gliomas. SLC7A5 mediates blood-to-retina L-leucine transport across the inner blood-retinal barrier which in turn may play a key role in maintaining large neutral amino acids as well as neurotransmitters in the neural retina. SLC7A5 acts as the major transporter of tyrosine in fibroblasts.
Product Categories/Family for anti-SLC7A5 antibody	Polyclonal ; Membrane Protein ; Drugs and Drug Metabolism ; Neuroscience ; Membrane & Traffic ; Disease Related ; Cell Differentiation

NCBI AND UNIPROT INFORMATION

NCBI GI #	71979932
NCBI GeneID	8140
NCBI Accession #	NP_003477
NCBI GenBank Nucleotide #	NM_003486
UniProt Accession #	Q01650
Molecular Weight	56kDa
NCBI Official Full Name	large neutral amino acids transporter small subunit 1
NCBI Official Synonym Full Names	solute carrier family 7 member 5
NCBI Official Symbol	SLC7A5
NCBI Official Synonym Symbols	E16; CD98; LAT1; 4F2LC; MPE16; D16S469E
NCBI Protein Information	large neutral amino acids transporter small subunit 1
UniProt Protein Name	Large neutral amino acids transporter small subunit 1
UniProt Gene Name	SLC7A5
UniProt Synonym Gene Names	CD98LC; LAT1; MPE16; 4F2 LC; 4F2LC; hLAT1
UniProt Entry Name	LAT1_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/slc7a5-antibody-western-blot-elisa/201226>