

Rabbit anti-Human, Mouse SLC7A3 Polyclonal Antibody | anti-SLC7A3 antibody

SLC7A3 Antibody

CATALOG # AAA327910	HOST Rabbit	REACTIVITY Human, Mouse	APPLICATIONS ELISA, Western Blot
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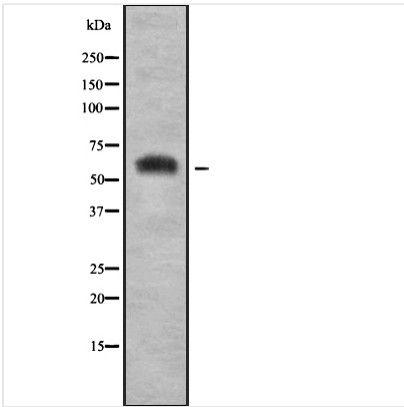
PRODUCT SYNONYMS

SLC7A3; Polyclonal Antibody; SLC7A3 Antibody; anti-SLC7A3 antibody

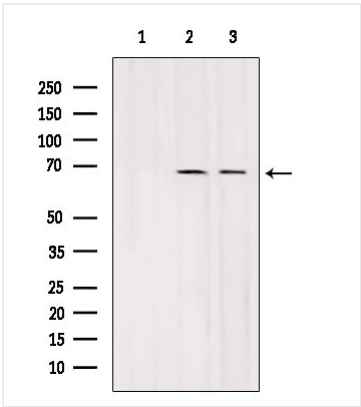
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	SLC7A3 antibody detects endogenous levels of total SLC7A3
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	619
Applicable Applications for anti-SLC7A3 antibody	ELISA, WB (Western Blot)
Immunogen	A synthesized peptide derived from human SLC7A3
Subcellular Location	Plasma Membrane
Tissue Specificity	Highly expressed in thymus, uterus and testis. Detected at lower levels in brain, mammary gland, prostate, salivary gland and fetal spleen. In brain, highest expression in thalamus, hippocampus and amygdala.
Predicted Cross Reactivity	Pig, Bovine, Horse, Rabbit, Dog
Similarity	Pig (90%), Bovine (90%), Horse (100%), Rabbit (80%), Dog (80%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)
Western blot analysis SLC7A3 using HepG2 whole cell lysates



WB (Western Blot)
Western blot analysis of extracts from various samples, using SLC7A3 Antibody. Lane 1: HepG2 treated with blocking peptide. Lane 2: HepG2; Lane 3: mouse brain;

ADDITIONAL INFORMATION

Related Product Information for anti-SLC7A3 antibody	Function: Mediates the uptake of the cationic amino acids arginine, lysine and ornithine in a sodium-independent manner. Post-translational Modifications: N-glycosylated. Similarity: Belongs to the amino acid-polyamine-organocation (APC) superfamily. Cationic amino acid transporter (CAT) (TC 2.A.3.3) family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	114326550
NCBI GeneID	84889
NCBI Accession #	NP_001041629.1
NCBI GenBank Nucleotide #	NM_001048164.2
UniProt Accession #	Q8WY07; Q5JQR2; Q8N185; Q8NCA7; Q96SZ7; D3DVU7
Molecular Weight	Observed: 67 kDa Predicted: 68 kDa
NCBI Official Full Name	cationic amino acid transporter 3
NCBI Official Synonym Full Names	solute carrier family 7 member 3
NCBI Official Symbol	SLC7A3
NCBI Official Synonym Symbols	CAT3; ATRC3; CAT-3
NCBI Protein Information	cationic amino acid transporter 3
UniProt Protein Name	Cationic amino acid transporter 3
UniProt Gene Name	SLC7A3
UniProt Synonym Gene Names	ATRC3; CAT3; CAT-3; CAT3

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.