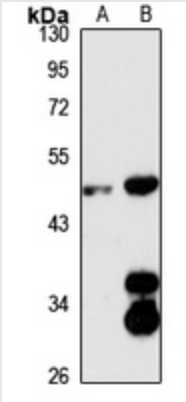
SLC7A9 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	SLC7A9, Polyclonal Antibody
Full Product Name	Anti-SLC7A9 Antibody
Product Gene Name	anti-SLC7A9 antibody
Product Synonym Names	BAT1; b(0 +)-type amino acid transporter 1; b(0 +)AT1; Glycoprotein-associated amino acid transporter b0 +AT1; Solute carrier family 7 member 9
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Liquid in 0.42% Potassium Phosphate, 0.87% Sodium Chloride, pH 7.3, 30% Glycerol, and 0.01% Sodium Azide.
Purity/Purification	Purified by Immunogen Affinity Chromatography
Specificity	Recognizes endogenous levels of SLC7A9 protein.
Preparation and Storage	Upon delivery aliquot and store at -20 degree C for one year. Avoid freeze/thaw cycles.
Molecular Weight	53,481 Da
OMIM	220100
3D Structure	ModBase 3D Structure for P82251
Immunogen	Recombinant fusion protein of human SLC7A9. The exact sequence is proprietary.
Applications Tested/Suitable for anti-SLC7A9 antibody	Western Blot (WB)
Application Notes for anti-SLC7A9 antibody	WB: 1:500-1:2000
Related Product Information for anti-SLC7A9 antibody	MBS8308173 is an antibody targeting SLC7A9. Reactive in Human, Mouse. Host: Rabbit. Rabbit polyclonal antibody to SLC7A9
Other Notes	Small volumes of anti-SLC7A9 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-SLC7A9 antibody
Western blot analysis of SLC7A9 expression in LO2 (A), mouse kidney (B) whole cell lysates.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SLC7A9. It may not necessarily be applicable to this product.

NCBI GI #	187423910
NCBI GeneID	11136
NCBI Accession #	NP_001119807.1
UniProt Primary Accession #	P82251
UniProt Secondary Accession #	Q9QXA6
UniProt Related Accession #	P82251
GenBank Nucleotide #	NM_001126335.1
NCBI Official Full Name	B(0,+)-type amino acid transporter 1
NCBI Official Synonym Full Names	solute carrier family 7 member 9
NCBI Official Symbol	SLC7A9
NCBI Official Synonym Symbols	BAT1; CSNU3
UniProt Protein Name	b(0,+)-type amino acid transporter 1
UniProt Synonym Protein Names	Glycoprotein-associated amino acid transporter b0,+AT1; Solute carrier family 7 member 9
Protein Family	b(0,+)-type amino acid transporter
UniProt Gene Name	SLC7A9
UniProt Synonym Gene Names	BAT1; b(0,+)AT1
NCBI Protein Information	B(0,+)-type amino acid transporter 1
NCBI Summary for SLC7A9	This gene encodes a protein that belongs to a family of light subunits of amino acid transporters. This protein plays a role in the high-affinity and sodium-independent transport of cystine and neutral and dibasic amino acids, and appears to function in the reabsorption of cystine in the kidney tubule. Mutations in this gene cause non-type I cystinuria, a disease that leads to cystine stones in the urinary system due to impaired transport of cystine and dibasic amino acids. Alternate transcript variants, which encode the same protein, have been found for this gene. [provided by RefSeq, Jul 2011]
UniProt Comments for SLC7A9	Involved in the high-affinity, sodium-independent transport of cystine and neutral and dibasic amino acids (system b(0,+)-like activity). Thought to be responsible for the high-affinity reabsorption of cystine in the kidney tubule.
Research Articles on SLC7A9	**1.** A new variation in exon 4 of the SLC7A9 gene was identified in cystinuria patients, which was insertion of 1 adenine nucleotide between 2 cytosine nucleotides in position c.213-214insA.

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