SLC1A4 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	SLC1A4, Polyclonal Antibody
Full Product Name	SLC1A4 Polyclonal Antibody
Product Gene Name	anti-SLC1A4 antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH 7.3.
Purity/Purification	Affinity Purification
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.
Molecular Weight	24kDa; 55kDa
OMIM	600229
3D Structure	ModBase 3D Structure for P43007
Immunogen	Recombinant protein of human SLC1A4 (NP_003029.2).
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-SLC1A4 antibody	Western Blot (WB), Immunohistochemistry (IHC)
Application Notes for anti-SLC1A4 antibody	WB: 1:500-1:2000 IHC: 1:50-1:200
Related Product Information for anti-SLC1A4 antibody	The protein encoded by this gene is a sodium-dependent neutral amino acid transporter for alanine, serine, cysteine, and threonine. Defects in this gene have been associated with developmental delay, microcephaly, and intellectual disability.
Other Notes	Small volumes of anti-SLC1A4 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.
Searchable Terms for SLC1A4 purchase	MBS8567370 is an antibody targeting SLC1A4. Also known as SLC1A4 Polyclonal Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SLC1A4. It may not necessarily be applicable to this product.

NCBI GI #	1173365
NCBI GeneID	6509
NCBI Accession #	P43007.1
UniProt Primary Accession #	P43007
UniProt Related Accession #	P43007

NCBI Official Full Name	Neutral amino acid transporter A
NCBI Official Synonym Full Names	solute carrier family 1 member 4
NCBI Official Symbol	SLC1A4
NCBI Official Synonym Symbols	SATT; ASCT1; SPM
UniProt Protein Name	Neutral amino acid transporter A
UniProt Synonym Protein Names	Alanine/serine/cysteine/threonine transporter 1; ASCT-1; SATT; Solute carrier family 1 member 4
Protein Family	Neutral amino acid transporter
UniProt Gene Name	SLC1A4
UniProt Synonym Gene Names	ASCT1; SATT; ASCT-1
UniProt Entry Name	SATT_HUMAN
NCBI Protein Information	neutral amino acid transporter A
UniProt Comments for SLC1A4	SLC1A4: Transporter for alanine, serine, cysteine, and threonine. Exhibits sodium dependence. Expressed mostly in brain, muscle, and pancreas but detected in all tissues examined. Belongs to the sodium:dicarboxylate (SDF) symporter (TC 2.A.23) family. SLC1A4 subfamily. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Transporter; Membrane protein, multi-pass; Transporter, SLC family; Membrane protein, integral Chromosomal Location of Human Ortholog: 2p15-p13 Cellular Component: centrosome; cell surface; cell soma; membrane; integral to plasma membrane; dendrite; melanosome; integral to membrane; plasma membrane; intermediate filament; microtubule organizing center Molecular Function: L-serine transmembrane transporter activity; chloride channel activity; L-threonine transmembrane transporter activity; L-proline transmembrane transporter activity; L-alanine transmembrane transporter activity; L-glutamine transmembrane transporter activity; L-cystine transmembrane transporter activity; sodium:dicarboxylate symporter activity Biological Process: synaptic transmission, glutamatergic; threonine transport; L-cystine transport; chloride transport; L-serine transport; L-alanine transport; dicarboxylic acid transport; amino acid transport; ion transport; cognition; proline transport; glutamine transport; transmembrane transport
Research Articles on SLC1A4	**1.** Results suggest that ASCT1/2 may play an important role in regulating extracellular d-serine and NMDA receptor-mediated physiological effects and that ASCT1/2 inhibitors have the potential for therapeutic benefit.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/polyclonal-human-mouse-rat-antibody/slc1a4/8567370