SLC1A7 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	SLC1A7, Polyclonal Antibody
Full Product Name	SLC1A7 Polyclonal Antibody
Product Gene Name	anti-SLC1A7 antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Mouse
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	17kDa; 60kDa
OMIM	604471
3D Structure	ModBase 3D Structure for O00341
Immunogen	Recombinant protein of human SLC1A7 (NP_006662.3).
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-SLC1A7 antibody	Western Blot (WB)
Application Notes for anti-SLC1A7 antibody	WB: 1:500-1:2000
Related Product Information for anti-SLC1A7 antibody	MBS8566366 is an antibody targeting SLC1A7. Also known as SLC1A7 Polyclonal Antibody. Reactive in Mouse. Host: Rabbit.
Other Notes	Small volumes of anti-SLC1A7 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.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SLC1A7. It may not necessarily be applicable to this product.

NCBI GI #	567316146
NCBI GeneID	6512
NCBI Accession #	NP_001274524
UniProt Primary Accession #	O00341
UniProt Related Accession #	O00341
GenBank Nucleotide #	NP_001274524.1
NCBI Official Full Name	excitatory amino acid transporter 5 isoform 1

NCBI Official Synonym Full Names	solute carrier family 1 member 7
NCBI Official Symbol	SLC1A7
NCBI Official Synonym Symbols	AAAT; EAAT5
UniProt Protein Name	Excitatory amino acid transporter 5
UniProt Synonym Protein Names	Retinal glutamate transporter; Solute carrier family 1 member 7
Protein Family	Excitatory amino acid transporter
UniProt Gene Name	SLC1A7
UniProt Synonym Gene Names	EAAT5
UniProt Entry Name	EAA5_HUMAN
NCBI Protein Information	excitatory amino acid transporter 5
UniProt Comments for SLC1A7	SLC1A7: Transports L-glutamate; the L-glutamate uptake is sodium- and voltage-dependent and chloride-independent. Its associated chloride conductance may participate in visual processing. Belongs to the sodium:dicarboxylate (SDF) symporter (TC 2.A.23) family. SLC1A7 subfamily. Protein type: Membrane protein, integral; Transporter; Transporter, SLC family; Membrane protein, multi-pass Chromosomal Location of Human Ortholog: 1p32.3 Cellular Component: integral to membrane; plasma membrane Molecular Function: sodium:dicarboxylate symporter activity; L-glutamate transmembrane transporter activity Biological Process: dicarboxylic acid transport; ion transport; transmembrane transport
Research Articles on SLC1A7	**1.** Observational study of gene-disease association, gene-environment interaction, and pharmacogenomic / toxicogenomic. (HuGE Navigator)
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