SLC17A6 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	SLC17A6, Polyclonal Antibody
Full Product Name	SLC17A6 (Center) Rabbit pAb
Product Gene Name	anti-SLC17A6 antibody
Product Synonym Names	Vesicular glutamate transporter 2; VGluT2; Differentiation-associated BNPI; Differentiation-associated Na(+)-dependent inorganic phosphate cotransporter; Solute carrier family 17 member 6; SLC17A6; DNPI; VGLUT2
Clonality	Polyclonal
Isotype	Ig
Host	Rabbit
Species Reactivity	Rat
Purity/Purification	Protein G
OMIM	607563
3D Structure	ModBase 3D Structure for Q9P2U8
Immunogen	This SLC17A6 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 255-289 amino acids from the central region of human SLC17A6.
Cellular Localization	Cell Junction, Cytoplasmic Vesicle, Membrane, Synapse, Synaptosome
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-SLC17A6 antibody	Western Blot (WB)
Application Notes for anti-SLC17A6 antibody	WB: 1:1000
Related Product Information for anti-SLC17A6 antibody	MBS8558566 is an antibody targeting SLC17A6. Also known as SLC17A6 (Center) Rabbit pAb. Reactive in Rat. Host: Rabbit.
Other Notes	Small volumes of anti-SLC17A6 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 SLC17A6. It may not necessarily be applicable to this product.

NCBI GI #	9966811
NCBI GeneID	57084
NCBI Accession #	NP_065079.1
UniProt Primary Accession #	Q9P2U8
UniProt Related Accession #	Q9P2U8
GenBank Nucleotide #	NP_065079.1
NCBI Official Full Name	vesicular glutamate transporter 2

NCBI Official Synonym Full Names	solute carrier family 17 member 6
NCBI Official Symbol	SLC17A6
NCBI Official Synonym Symbols	DNPI; VGLUT2
UniProt Protein Name	Vesicular glutamate transporter 2
UniProt Synonym Protein Names	Differentiation-associated BNPI; Differentiation-associated Na(+)-dependent inorganic phosphate cotransporter; Solute carrier family 17 member 6
Protein Family	Vesicular glutamate transporter
UniProt Gene Name	SLC17A6
UniProt Synonym Gene Names	DNPI; VGLUT2; VGluT2
UniProt Entry Name	VGLU2_HUMAN
NCBI Protein Information	vesicular glutamate transporter 2
UniProt Comments for SLC17A6	SLC17A6: Mediates the uptake of glutamate into synaptic vesicles at presynaptic nerve terminals of excitatory neural cells. May also mediate the transport of inorganic phosphate. Belongs to the major facilitator superfamily. Sodium/anion cotransporter family. VGLUT subfamily. Protein type: Transporter; Membrane protein, integral; Membrane protein, multi-pass; Transporter, SLC family Chromosomal Location of Human Ortholog: 11p14.3 Cellular Component: neuron projection; synaptic vesicle membrane; integral to membrane; cell junction Molecular Function: symporter activity; L-glutamate transmembrane transporter activity Biological Process: sodium ion transport; neurotransmitter uptake; ion transport; transmembrane transport
Research Articles on SLC17A6	**1.** This study demonstrated that Protein levels of vGLUT2 were significantly increased in schizophrenia subjects compared to controls.
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