SLC32A1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	SLC32A1, Polyclonal Antibody
Full Product Name	SLC32A1 Polyclonal Antibody FITC Conjugated
Product Gene Name	anti-SLC32A1 antibody
Product Synonym Names	SLC32A1
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	0.01M TBS (pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Purity/Purification	affinity purified by Protein A
Preparation and Storage	Store at -20 degree C for one year. Avoid repeated freeze/thaw cycles. Shipped at 4 degree C.
Molecular Weight	525
3D Structure	ModBase 3D Structure for Q9H598
Conjugation	FITC
Immunogen Type	351-450/525
Product Categories/Family for anti-SLC32A1 antibody	Conjugated Primary Antibodies
Applications Tested/Suitable for anti-SLC32A1 antibody	Immunocytochemistry (ICC), Immunofluorescence (IF)
Application Notes for anti-SLC32A1 antibody	ICC: 1:50-200 IF: 1:50-200
Related Product Information for anti-SLC32A1 antibody	MBS9463149 is an antibody targeting SLC32A1. Also known as SLC32A1 Polyclonal Antibody FITC Conjugated. Reactive in Human, Mouse, Rat. Host: Rabbit.
Other Notes	Small volumes of anti-SLC32A1 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 SLC32A1. It may not necessarily be applicable to this product.

NCBI GI #	29428257
NCBI GeneID	140679
NCBI Accession #	Q9H598.2
UniProt Primary Accession #	Q9H598
UniProt Secondary Accession #	Q8N489
UniProt Related Accession #	Q9H598

NCBI Official Full Name	Vesicular inhibitory amino acid transporter
NCBI Official Synonym Full Names	solute carrier family 32 (GABA vesicular transporter), member 1
NCBI Official Symbol	SLC32A1
NCBI Official Synonym Symbols	VGAT; VIAAT
UniProt Protein Name	Vesicular inhibitory amino acid transporter
UniProt Synonym Protein Names	GABA and glycine transporter; Solute carrier family 32 member 1; Vesicular GABA transporter; hVIAAT
Protein Family	Vesicular inhibitory amino acid transporter
UniProt Gene Name	SLC32A1
UniProt Synonym Gene Names	VGAT; VIAAT; hVIAAT
UniProt Entry Name	VIAAT_HUMAN
NCBI Protein Information	vesicular inhibitory amino acid transporter; hVIAAT; vesicular GABA transporter; GABA and glycine transporter; solute carrier family 32 member 1
NCBI Summary for SLC32A1	The protein encoded by this gene is an integral membrane protein involved in gamma-aminobutyric acid (GABA) and glycine uptake into synaptic vesicles. The encoded protein is a member of amino acid/polyamine transporter family II. [provided by RefSeq, Jul 2008]
UniProt Comments for SLC32A1	SLC32A1: Involved in the uptake of GABA and glycine into the synaptic vesicles. Belongs to the amino acid/polyamine transporter 2 family. Protein type: Transporter; Membrane protein, integral; Transporter, SLC family; Membrane protein, multi-pass Chromosomal Location of Human Ortholog: 20q11.23 Cellular Component: neuron projection; synaptic vesicle membrane; dendrite; plasma membrane; integral to membrane Molecular Function: glycine transmembrane transporter activity; gamma-aminobutyric acid:hydrogen symporter activity; amino acid transmembrane transporter activity Biological Process: glycine transport; synaptic transmission; neurotransmitter secretion; ion transport; transmembrane transport; aging; gamma-aminobutyric acid transport
Research Articles on SLC32A1	**1.** Data indicate that GABAergic axons were labeled with vesicular inhibitory aa transporter (VIAAT) antibodies, whereas glutamatergic axons were detected with antisera against the major vesicular glutamate transporter (VGLUT) isoforms, VGLUT1 and VGLUT2.
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