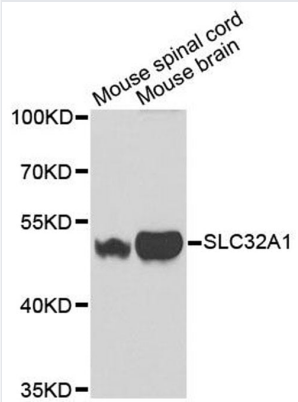
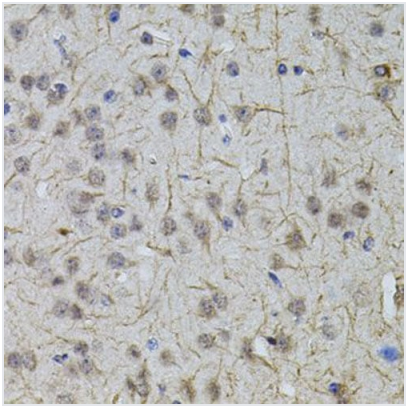
SLC32A1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

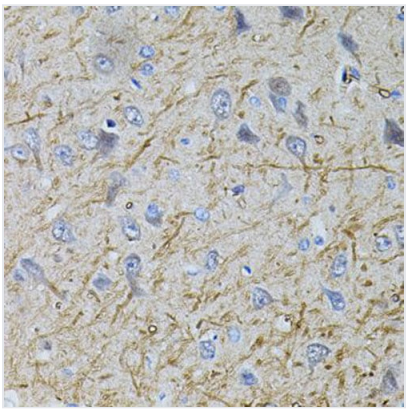
Product Name	SLC32A1, Polyclonal Antibody
Full Product Name	SLC32A1 Polyclonal Antibody
Product Gene Name	anti-SLC32A1 antibody
Product Synonym Names	VGAT; VIAAT
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Mouse, Rat
Purity/Purification	Affinity Purification
Concentration	1mg/ml (lot specific)
Preparation and Storage	Store at -20 degree C (regular) or -80 degree C (long term). Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Molecular Weight	525
3D Structure	ModBase 3D Structure for Q9H598
Species	Human
Route	Synthetic Peptide
Immunogen	A synthetic peptide of human SLC32A1
Calculated Molecular Weight	57kDa
Product Categories/Family for anti-SLC32A1 antibody	Polyclonal
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-SLC32A1 antibody	Western Blot (WB), Immunohistochemistry (IHC)
Application Notes for anti-SLC32A1 antibody	WB: 1:500 - 1:2000 IHC: 1:50 - 1:200
Related Product Information for anti-SLC32A1 antibody	Vesicular inhibitory amino acid transporter is a protein that in humans is encoded by the SLC32A1 gene. 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.
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.
Searchable Terms for SLC32A1 purchase	MBS127620 is an antibody targeting SLC32A1. Also known as SLC32A1 Polyclonal Antibody. Reactive in Mouse, Rat. Host: Rabbit.



Western Blot (WB) of anti-SLC32A1 antibody
Western blot analysis of extracts of various cell lines, using SLC32A1 antibody at 1:400 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (MBS128200) at 1:10000 dilution.Lysates/proteins: 25ug per lane.Blocking buffer: 3% nonfat dry milk in TBST.



Immunohistochemistry (IHC) of anti-SLC32A1 antibody
Immunohistochemistry of paraffin-embedded mouse brain using SLC32A1 antibody (40x lens).



Immunohistochemistry (IHC) of anti-SLC32A1 antibody
Immunohistochemistry of paraffin-embedded rat brain using SLC32A1 antibody (40x lens).

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.
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.
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