

Rabbit SLC18A2 Polyclonal Antibody | anti-SLC18A2 antibody

SLC18A2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA326830	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

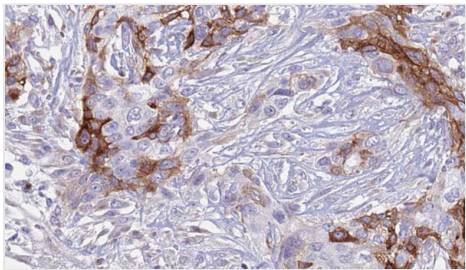
PRODUCT SYNONYMS

SLC18A2; Polyclonal Antibody; SLC18A2 Antibody; 1110037L13Rik; 9330105E13; MGC120477; MGC120478; MGC26538; MGC90556; MNAT; Monoamine neurotransmitter transporter; Monoamine transporter; OTTHUMP00000020576; Solute carrier family 18 (vesicular monoamine) member 2; Solute carrier family 18 member 2; SVAT; SVMT; Synaptic vesicle amine transporter brain; Synaptic vesicle monoamine transporter brain; Synaptic vesicular amine transporter; VAT 2; VAT2; Vesicle monoamine transporter type 2; Vesicle monoamine/H⁺ antiporter; Vesicular amine transporter 2; Vesicular monoamine transporter 2; VMAT 2; VMAT2; VMAT2_HUMAN; anti-SLC18A2 antibody

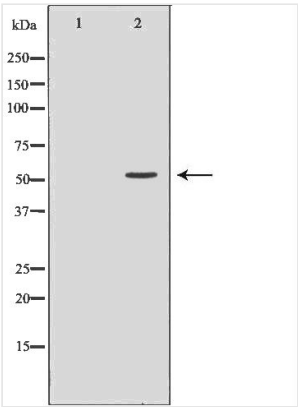
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	SLC18A2 antibody detects endogenous levels of total SLC18A2
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	514
Applicable Applications for anti-SLC18A2 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthetic peptide of human SLC18A2
Subcellular Location	Cytoplasmic Vesicle Membrane.
Predicted Cross Reactivity	Pig, Zebrafish, Bovine, Horse, Sheep, Dog, Chicken
Similarity	Pig (100%), Zebrafish (83%), Bovine (100%), Horse (92%), Sheep (100%), Dog (100%), Chicken (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IHC (Immunohistochemistry)
AAA326830 at 1/100 staining Human urothelial cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)
Western blot analysis of extracts of HeLa, using SLC18A2 antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-SLC18A2 antibody	Description: The vesicular monoamine transporter acts to accumulate cytosolic monoamines into synaptic vesicles, using the proton gradient maintained across the synaptic vesicular membrane. Its proper function is essential to the correct activity of the monoaminergic systems that have been implicated in several human neuropsychiatric disorders. The transporter is a site of action of important drugs, including reserpine and tetrabenazine. Function: Involved in the ATP-dependent vesicular transport of biogenic amine neurotransmitters. Pumps cytosolic monoamines including dopamine, norepinephrine, serotonin, and histamine into synaptic vesicles. Requisite for vesicular amine storage prior to secretion via exocytosis. Subunit Structure: Interacts with SLC6A3. Similarity: Belongs to the major facilitator superfamily. Vesicular transporter family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	42476325
NCBI GeneID	6571
NCBI Accession #	NP_003045.2
NCBI GenBank Nucleotide #	NM_003054.5
UniProt Accession #	Q05940; Q15876; Q4G147; Q5VW49; Q9H3P6; B2RC96; D3DRC4
Molecular Weight	Observed: 55 kDa Predicted: 56 kDa
NCBI Official Full Name	synaptic vesicular amine transporter
NCBI Official Synonym Full Names	solute carrier family 18 member A2
NCBI Official Symbol	SLC18A2
NCBI Official Synonym Symbols	SVAT; SVMT; VAT2; VMAT2; PKDYS2
NCBI Protein Information	synaptic vesicular amine transporter
UniProt Protein Name	Synaptic vesicular amine transporter
UniProt Gene Name	SLC18A2
UniProt Synonym Gene Names	SVMT; VMAT2; VAT2

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

