

Mouse anti-Human SLC18A2 Monoclonal Antibody | anti-SLC18A2 antibody

SLC18A2 antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA106956	Mouse	Human	Western Blot, Immunohistochemistry, Immunofluorescence, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

SLC18A2; Monoclonal Antibody; SLC18A2 antibody; Monoclonal SLC18A2; Anti-SLC18A2; Solute Carrier Family 18 Member 2; Vesicular Monoamine 2; MGC120477; MGC120478; MGC26538; SVAT; SVMT; VAT2; VMAT2; SLCA2 18; SLCA2-18; anti-SLC18A2 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Clone Number	9 E11
Purity/Purification	SLC18A2 antibody was purified by affinity chromatography.
Form/Format	Supplied in PBS buffer, pH 7.3, containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration	1 mg/ml (varies by lot)
Sequence Length	209
Applicable Applications for anti-SLC18A2 antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Biological Significance	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.
Cross-Reactivity	Human, Dog, Rat, Monkey
Immunogen	Full-length protein expressed in 293T cell transfected with human SLC18A2 expression vector.
Preparation and Storage	Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.

IMAGES



IF (Immunofluorescence)

Immunofluorescent staining of COS7 cells transiently transfected with recombinant SLC18A2 protein using SLC18A2 antibody



IHC (Immunohistochemistry)

Immunohistochemical analysis of SLC18A2 protein in paraffin embedded Human pancreas tissue using SLC18A2 antibody



WB (Western Blot)

Western Blot analysis of HEK293T cell lysates (5 ug) transfected with either recombinant SLC18A2 protein (Right) or empty vector (Left) detected with SLC18A2 antibody

ADDITIONAL INFORMATION

Related Product Information for anti-SLC18A2 antibody	Mouse monoclonal SLC18A2 antibody
Product Categories/Family for anti-SLC18A2 antibody	Cell Biology

NCBI AND UNIPROT INFORMATION

NCBI GI #	71051965
NCBI GeneID	6571
Molecular Weight	22,980 Da
NCBI Official Full Name	SLC18A2 protein
NCBI Official Synonym Full Names	solute carrier family 18 (vesicular monoamine transporter), member 2
NCBI Official Symbol	SLC18A2
NCBI Official Synonym Symbols	SVAT; SVMT; VAT2; VMAT2
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
UniProt Entry Name	VMAT2_HUMAN

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/monoclonal/slc18a2-antibody-clone-9-e11-western-blot-immunohistochemistry-immunofluorescence-flow-cytometry-elisa/106956>