

Mouse VACHT Monoclonal Antibody | anti-SLC18A3 antibody

Anti-VACHT antibody

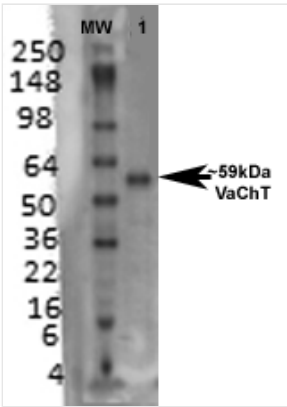
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA103160	Mouse	Human, Mouse, Rat	Immunofluorescence, Immunocytochemistry, Western Blot, Immunohistochemistry

PRODUCT SYNONYMS

VACHT; Monoclonal Antibody; Anti-VACHT antibody; Vesicular Acetylcholine Transporter; MGC12716; rVAT; Slc18a3; Solute carrier family 18 (vesicular acetylcholine) member 3; Solute carrier family 18 (vesicular monoamine) member 3; Solute carrier family 18 member 3; anti-SLC18A3 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Isotype	IgG1
Clone Number	S6-38
Specificity	Detects ~56kDa
Purity/Purification	Protein G purified
Concentration	1mg/mL (varies by lot)
Sequence Length	532
Applicable Applications for anti-SLC18A3 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot), IHC (Immunohistochemistry)
Immunogen	Synthetic peptide amino acids 521-532 of human VACHT
Certificate of Analysis	A dilution of 1:50-1:200 was sufficient for detection of VACHT Transporter in rat brain using immunohistochemistry analysis and goat anti-mouse IgG:HRP as the secondary antibody.
Storage Buffer	PBS pH7.4, 50% glycerol, 0.09% sodium azide.
Cellular Localization	Membrane
Research Area(s)	Neuroscience; Cell Structure; Pre-Synaptic Markers; Pumps/Transporters; Neurotransmitter Transporters
Preparation and Storage	Store at -20°C; 1 year (Long Term); Avoid freeze/thaw cycles



WB (Western Blot)
Western Blot analysis of Rat brain membrane lysate showing detection of VACHT protein using Mouse Anti-VACHT Monoclonal Antibody, Clone S6-38. Primary Antibody: Mouse Anti-VACHT Monoclonal Antibody at 1:1000.

ADDITIONAL INFORMATION

Related Product Information for anti-SLC18A3 antibody	VACHT is a member of the vesicular amine transporter (VMAT) family. The encoded transmembrane protein transports acetylcholine into secretory vesicle for release into the extracellular space. Acetylcholine (Ach) transport utilizes a proton gradient established by a vacuolar ATPase. This gene is located within the first intron of the choline acetyltransferase gene.
Product Categories/Family for anti-SLC18A3 antibody	Transporters
References	1. Erickson J.D., Varoqui H. (2000) FASEB J. 14(15): 2450-2458. 2. Weihe E., Tao-Cheng J.H., Schafer M.K., Erickson J.D., Eiden L.E. (1996) Proc Natl Acad Sci USA. 93(8): 3547-3552.

NCBI AND UNIPROT INFORMATION

NCBI GI #	118582257
NCBI GeneID	6572
NCBI Accession #	NP_003046.2
NCBI GenBank Nucleotide #	NM_003055.2
UniProt Accession #	Q16572; B2R7S1
Molecular Weight	~56kDa
NCBI Official Full Name	vesicular acetylcholine transporter
NCBI Official Synonym Full Names	solute carrier family 18 (vesicular acetylcholine transporter), member 3
NCBI Official Symbol	SLC18A3
NCBI Official Synonym Symbols	VACHT
NCBI Protein Information	vesicular acetylcholine transporter; solute carrier family 18 member 3; solute carrier family 18, member 3; solute carrier family 18 (vesicular acetylcholine), member 3
UniProt Protein Name	Vesicular acetylcholine transporter
UniProt Gene Name	SLC18A3
UniProt Synonym Gene Names	VACHT; VACHT
UniProt Entry Name	VACHT_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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/vacht-antibody-clone-s6-38-immunofluorescence-immunocytochemistry-western-blot-immunohistochemistry-elisa/103160>