www.antibodiesinc.com
orders@antibodiesinc.com
530-758-4400

PRODUCT DATASHEET

Anti-VAChT Antibody (BSA and Azide free)

Product Details

Available Variants	100 µL (SKU:75-429-CF)
Conjugate	Unconjugated
Isotype	IgG1
Clone	N425/45
Gene Name	Slc18a3 Vacht Vat
Host Species	Mouse
Concentration	Lot dependent: provided at 0.6-1.0 mg/mL
Format	Purified by Protein A chromatography
Physical State	Liquid
Buffer	PBS
Production Notes	Produced by in vitro bioreactor culture of hybridoma line followed by Protein A affinity chromatography and buffer exchanged into 1X PBS. Purified mAbs are >90% specific antibody.
Applications	ELISA, ICC, IHC
Species Reactivity	Mouse, Rat
Immunogen	Fusion protein amino acids 55-125 (first vesicle lumen domain) of rat VAChT (accession number Q62666) produced recombinantly in E. Coli
Specificity	Does not cross-react with VMAT1 or VMAT2
Molecular Weight	60 kDa
Quality Control	Each new lot of antibody is quality control tested by IHC on either rat or mouse brain and confirmed to give the expected staining pattern.
Storage	Aliquot and store at ≤ -20°C for long term storage. For short term storage, store at 2-8°C. For maximum recovery of product, centrifuge the vial prior to

	removing the cap.
UniProt ID	Q62666 UniProt Summary: Electrogenic antiporter that exchanges one cholinergic neurotransmitter, acetylcholine or choline, with two intravesicular protons across the membrane of synaptic vesicles. Uses the electrochemical proton gradient established by the V-type proton-pump ATPase to store neurotransmitters inside the vesicles prior to their release via exocytosis. Determines cholinergic vesicular quantal size at presynaptic nerve terminals in developing neuro-muscular junctions with an impact on motor neuron differentiation and innervation pattern. Part of forebrain cholinergic system, regulates hippocampal synapse transmissions that underlie spatial memory formation. Can transport serotonin.
Country of Origin	United States
Shipping	Shipped on ice packs
Expiration	12 months from date of receipt
Usage Statement	These antibodies are to be used as research laboratory reagents and are not for use as diagnostic or therapeutic reagents in humans.
NCBI Gene ID	60422

Product Images



Anti-VAChT Antibody (BSA and Azide free)