

Product Datasheet

Anti-VACHT Antibody FL594 Conjugate



Overview

Catalog #	75-429-FL594
Conjugate	FL594 Ex: 594 nm, Em: 615 nm
Isotype	IgG1
Clone Number	N425/45
Size	200 µL
Concentration	0.5 mg/mL
Host Species	Mouse Monoclonal
Format	Purified by Protein A chromatography
Buffer	PBS with 0.09% azide
Applications	ICC, IHC
Species Reactivity	Mouse and Rat
Immunogen	Fusion protein amino acids 55-125 (first vesicle lumen domain) of rat VACHT (accession number Q62666) produced recombinantly in E. Coli
Molecular Weight	60 kDa
Cite this Antibody	Antibodies Inc Cat# 75-429-FL594, RRID: AB_2940426

Details

Target Description	Vesicular acetylcholine transporter (VaCht), or Solute Carrier Family 18 Member A3 is encoded by the gene Slc18a3 and is a member of the vesicular amine transporter family. VaCht transports acetylcholine into secretory vesicles for release into the extracellular space. VaCht is expressed in major cholinergic cell groups in the peripheral and central cholinergic nervous systems. Diseases associated with SLC18A3 include Myasthenic Syndrome and Presynaptic and Presynaptic Congenital Myasthenic Syndromes.
Specificity	Does not cross-react with VMAT1 or VMAT2
Purification Method	Produced by in vitro bioreactor culture of hybridoma line followed by Protein A affinity chromatography and conjugation of purified mAb. Purified mAbs are >90% specific antibody.
Quality Control Tests	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 $\leq -20^{\circ}\text{C}$ for long term storage. For short term storage, store at $2-8^{\circ}\text{C}$. For maximum recovery of product, centrifuge the vial prior to removing the cap.

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