

Anti-VACHT Recombinant Chicken Chimeric mAb

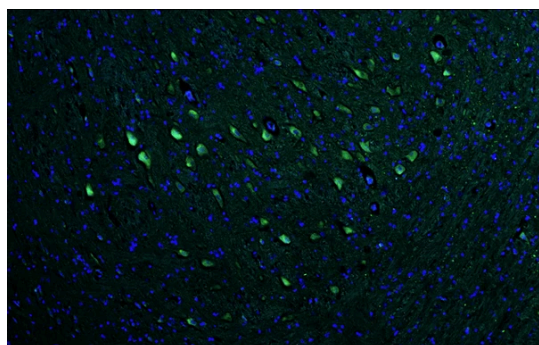


Product Details

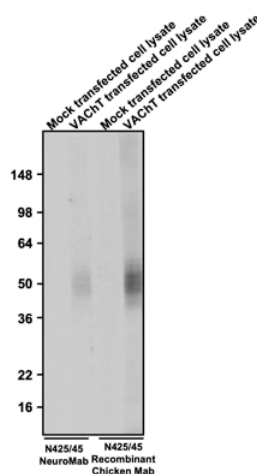
Available Variants	100 µL (SKU:78-429) 20 µL (SKU:78-429-020)
Conjugate	Unconjugated
Isotype	IgY
Clone	N425/45
Gene Name	Slc18a3 Vacht Vat
Host Species	Chicken
Concentration	1 mg/mL
Format	Purified by affinity chromatography
Physical State	Liquid
Buffer	1X PBS, 0.05% Sodium Azide pH 7.4
Production Notes	This recombinant antibody is a chimeric antibody created by replacing the mouse heavy and light constant regions of clone N425/45 with chicken IgY heavy and light constant regions. As such this antibody retains the same binding performance as the original clone N425/45 but can be detected using standard anti-chicken secondary antibodies allowing flexibility for multiplexing applications. This antibody is expressed recombinantly in mammalian cells and then affinity purified from the cell culture media.
Applications	ELISA, ICC, IHC, WB
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 $\leq -20^{\circ}\text{C}$ 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.
UniProt ID	Q62666
Country of Origin	United States
Shipping	Shipped on ice packs
Expiration	24 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.

Product Images



Representative section of formalin fixed, paraffin-embedded rat brain stem showing facial motor neurons stained by VACHT (Slc18a3) recombinate chicken monoclonal antibody (Cat. 78-180) using goat anti-chicken IgY CF@488 secondary antibody (Cat. 80-1001-488) (green). The stained sections were mounted with Antibodies Incorporated Fluoroshield with DAPI and DABCO mounting medium (Cat. AR-6505). DAPI nuclear stain (blue) shows cell nuclei.



Western blotting of mock transfected and VACHT transfected COS-7 lysates with anti-VACHT (Slc18a3) mouse NeuroMab (Cat. 75-429) and Aves Labs anti-VACHT recombinate chicken mAb (Cat. 78-429) antibody. The mouse mAb and chicken mAb were detected with anti-mouse-HRP and anti-chicken-HRP (Cat. 80-1000-HRP), respectively. Aves Labs Recombinate Chicken anti-VACHT mAb recognizes exogenous VACHT with similar sensitivity as the anti-VACHT NeuroMab only in VACHT transfected COS-7 lysates at ~ 60 kDa.



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