

Anti-VGlut1 Recombinant Chicken Chimeric mAb

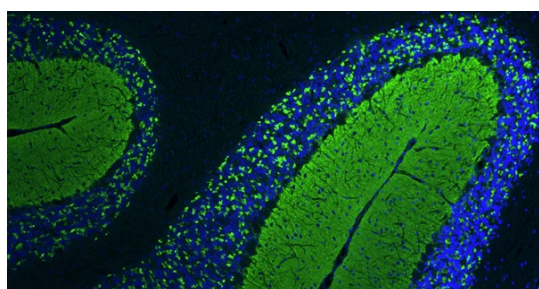


Product Details

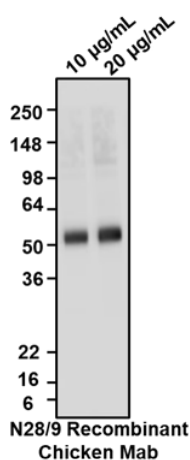
Available Variants	100 µL (SKU:78-066) 20 µL (SKU:78-066-020)
Conjugate	Unconjugated
Isotype	IgY
Clone	N28/9
Gene Name	Slc17a7 Bnpi Vglut1
Host Species	Chicken
Concentration	1 mg/mL
Format	Purified by affinity chromatography
Physical State	Liquid
Buffer	1X PBS, 0.05% Sodium Azide pH 7.4
Production Notes	This recombinant antibody is a chimeric antibody created by replacing the mouse heavy and light constant regions of clone N28/9 with chicken IgY heavy and light constant regions. As such this antibody retains the same binding performance as the original clone N28/9 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, EM, ICC, IHC, WB
Species Reactivity	Fish, Human, Mouse, Rat
Immunogen	Fusion protein amino acids 493-560 (cytoplasmic C-terminus) of rat VGlut1 (accession number Q62634) produced recombinantly in E. Coli
Specificity	Does not cross-react with VGlut2 or VGlut3
Molecular Weight	52 kDa

Quality Control	Each new lot of antibody is quality control tested by western blot on rat whole brain lysate and confirmed to stain the expected molecular weight band.
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	Q62634
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.

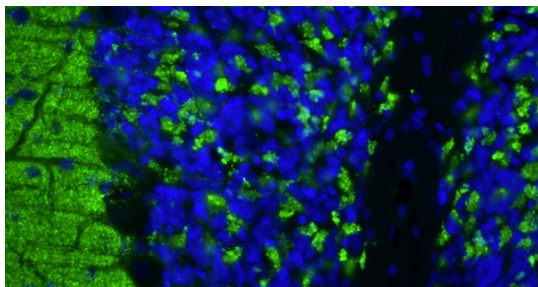
Product Images



Formalin fixed, paraffin-embedded rat brain cerebellum region showing staining of VGluT1. The sections were stained with anti-VGluT1 recombinant chicken monoclonal antibody (green) (Cat. 78-066) at 1:100 dilution. The stained sections were mounted with Antibodies Incorporated FluoroshieldTM with DAPI and DABCO mounting medium (Cat. AR-6505). DAPI nuclear stain (blue) shows cell nuclei. Anti-VGluT1 specifically stains the axonal synapses in the granular layer of the cerebellum. Magnification 100X.



Western blotting of rat brain membrane fraction with Aves Labs anti-Vglt1 recombinant chicken Mab (Cat. 78-066) antibody at various concentrations and detected with anti-chicken-HRP. Aves Labs Recombinant Chicken anti-VGluT1 Mab recognizes endogenous Vglt1 in the rat brain membrane fraction at ~52 kDa.



Formalin fixed, paraffin-embedded rat brain cerebellum region showing staining of VGluT1. The sections were stained with anti-VGluT1 recombinant chicken monoclonal antibody (green) (Cat. 78-066) at 1:100 dilution. 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. Anti-VGluT1 specifically stains the axonal synapses in the granular layer of the cerebellum. Magnification 400X.

Product Page URL: www.antibodiesinc.com/products/anti-vglut1-recombinant-antibody-n28-9-78-066



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