

Anti-VGlut2 Recombinant Chicken Chimeric mAb

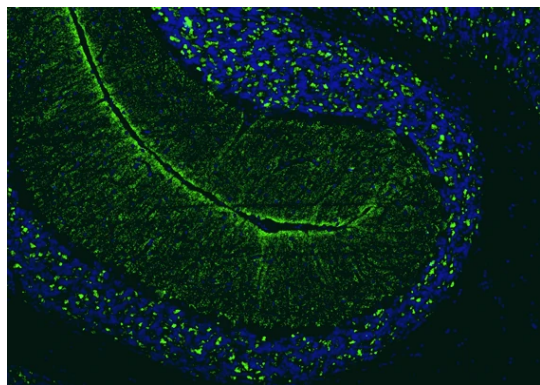


Product Details

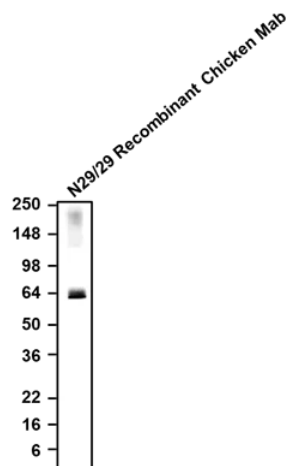
Available Variants	100 µL (SKU:78-067) 20 µL (SKU:78-067-020)
Conjugate	Unconjugated
Isotype	IgY
Clone	N29/29
Gene Name	Slc17a6 Dnpi Vglut2
Host Species	Chicken
Concentration	1 mg/mL
Format	Purified by affinity chromatography
Physical State	Liquid
Buffer	1X PBS, 0.05% Sodium Azide pH 7.4
Production Notes	This recombinant antibody is a chimeric antibody created by replacing the mouse heavy and light constant regions of clone N29/29 with chicken IgY heavy and light constant regions. As such this antibody retains the same binding performance as the original clone N29/29 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
Dilution Ranges	WB: 1:400 IHC: 1:1000 ICC: 1:1000
Species Reactivity	Chicken, Electric Ray, Human, Mouse, Rat

Immunogen	Fusion protein amino acids 501-582 (cytoplasmic C-terminus) of rat VGlut2 (accession number Q9JI12) produced recombinantly in E. Coli
Specificity	Does not cross-react with VGlut1 or VGlut3
Molecular Weight	60 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	<u>Q9JI12</u>
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.

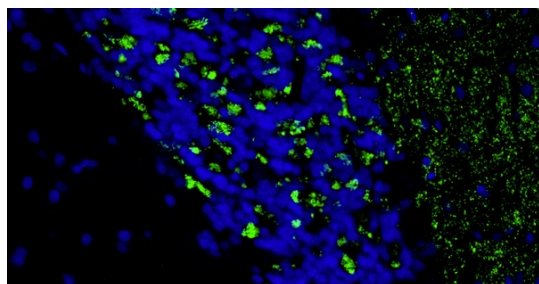
Product Images



Formalin fixed, paraffin-embedded rat brain cerebellum region showing staining of VGlut2 with anti-VGlut2 recombinant chicken monoclonal antibody (green) (Cat. 78-067) at 1:100 dilution. The sections were mounted with Fluoroshield™ with DAPI and DABCO mounting medium (Cat. AR-6505). DAPI nuclear stain (blue) shows cell nuclei. Anti-VGlut2 specifically stains the mossy fiber terminals in the granular layer and climbing fiber terminals in the molecular layer of the cerebellum. Magnification 100X.



Western blotting of rat brain membrane fraction with Aves Labs anti-Vglut2 recombinant chicken m (Cat. 78-067) antibody and detected with anti-chicken-HRP. Aves Labs recombinant chicken anti-VGlut2 mAb recognizes endogenous Vglut2 in the rat brain membrane fraction at ~60 kDa.



Formalin fixed, paraffin-embedded rat brain cerebellum region showing staining of VGLut2 with anti-VGLut2 recombinant chicken monoclonal antibody (green) (Cat. 78-067) at 1:100 dilution. The sections were mounted with FluoroshieldTM with DAPI and DABCO mounting medium (Cat. AR-6505). DAPI nuclear stain (blue) shows cell nuclei. Anti-VGLut2 specifically stains the mossy fiber terminals in the granular layer and climbing fiber terminals in the molecular layer of the cerebellum. Magnification 400X.

Product Page URL: www.antibodiesinc.com/products/anti-vglut2-recombinant-antibody-n29-29-78-067



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