

Anti-PSD-95 Recombinant Chicken Chimeric mAb

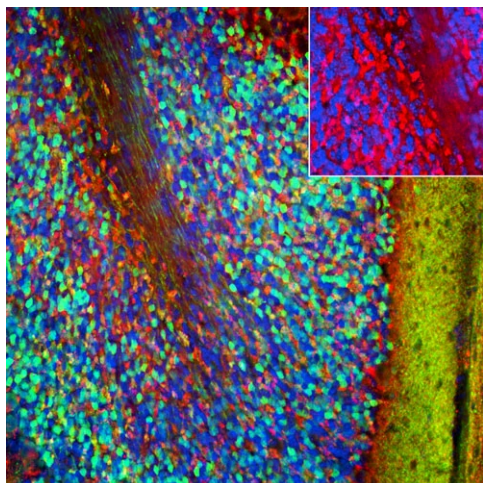


Product Details

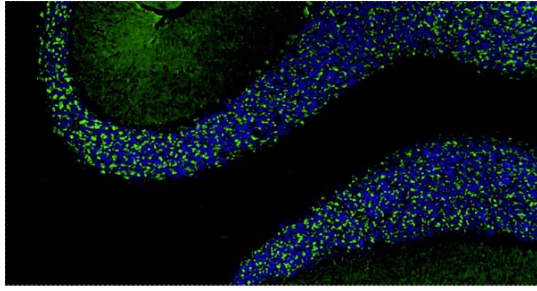
Available Variants	100 µL (SKU:78-028) 20 µL (SKU:78-028-020)
Conjugate	Unconjugated
Isotype	IgY
Clone	K28/43
Gene Name	DLG4 PSD95
Host Species	Chicken
Concentration	1 mg/mL
Format	Purified by affinity chromatography
Physical State	Liquid
Buffer	1X PBS, 0.05% Sodium Azide pH 7.4
Production Notes	This recombinant antibody is a chimeric antibody created by replacing the mouse heavy and light constant regions of clone K28/43 with chicken IgY heavy and light constant regions. As such this antibody retains the same binding performance as the original clone K28/43 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, IP, WB
Dilution Ranges	WB: 1:1000 IHC: 1:500 ICC: 1:500
Species Reactivity	Chicken, Human, Mouse, Non-Human Primate, Rat

Immunogen	Fusion protein amino acids 77-299 (PDZ domains 1 and 2) of human PSD-95 (accession number P78352) produced recombinantly in E. Coli
Specificity	No cross-reactivity against recombinant Chapsyn-110, SAP97 or SAP102
Molecular Weight	95-110 kDa (varies with cell background due to phosphorylation)
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>P78352</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.

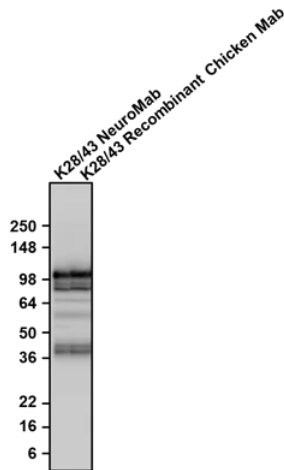
Product Images



Representative image of 4% paraformaldehyde fixed free-floating mouse cerebellum sections stained with Aves Labs anti-PSD-95 recombinant chicken monoclonal antibody (red, Cat No. 78-028) at 1:1000 dilution and co-stained with anti-Calretinin rabbit polyclonal antibody (green). DAPI nuclear stain (blue) shows cell nuclei. Anti-PSD-95 specifically stains the excitatory synapses in the granular layer of the cerebellum. Image courtesy EnCor Biotechnology.



Formalin fixed, paraffin-embedded rat brain cerebellum region showing staining of PSD-95. The sections were stained with anti-PSD-95 recombinant chicken monoclonal antibody (green) (Cat# 78-028) at 1:500 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-PSD-95 specifically stains the excitatory synapses in the granular layer of the cerebellum. Magnification 400X.



Western blotting of rat brain homogenate with Antibodies Incorporated anti-PSD-95 mouse Mab (Cat. 75-028) and Aves Labs anti-PSD-95 recombinant chicken Mab (Cat. 78-028) antibodies (2 µg/ml). The mouse Mab and chicken Mab were detected with anti-mouse-HRP and anti-chicken-HRP, respectively. Aves Labs Recombinant Chicken anti-PSD-95 Mab recognizes endogenous PSD-95 with similar sensitivity as the anti-PSD-95 NeuroMab in the rat brain homogenate at ~95-110 kDa.

Product Page URL: www.antibodiesinc.com/products/anti-psd-95-recombinant-antibody-k28-43-78-028



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