

Anti-RGS14 Recombinant Chicken Chimeric mAb

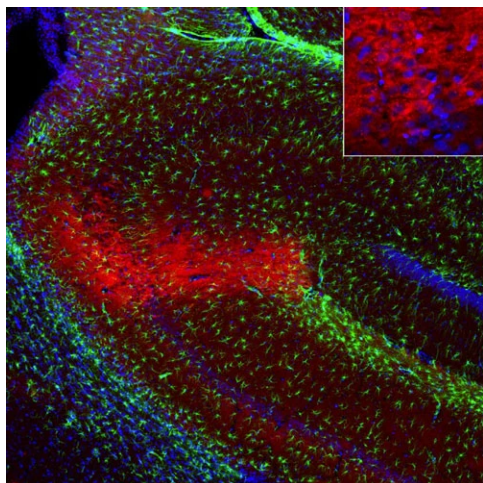


Product Details

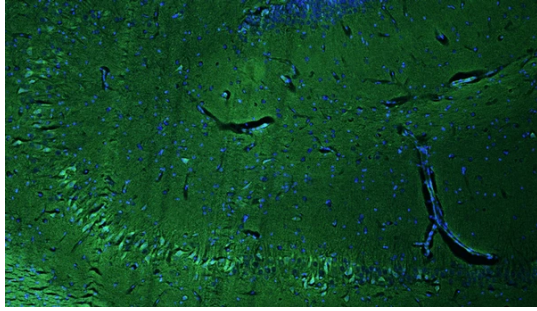
Available Variants	100 µL (SKU:78-170) 20 µL (SKU:78-170-020)
Conjugate	Unconjugated
Isotype	IgY
Clone	N133/21
Gene Name	Rgs14
Host Species	Chicken
Concentration	1 mg/mL
Format	Purified by affinity chromatography
Physical State	Liquid
Buffer	1X PBS, 0.05% Sodium Azide pH 7.4
Production Notes	This recombinant antibody is a chimeric antibody created by replacing the mouse heavy and light constant regions of clone N133/21 with chicken IgY heavy and light constant regions. As such this antibody retains the same binding performance as the original clone N133/21 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: 1:1000 IHC: 1:500 ICC: 1:500
Species Reactivity	Mouse, Rat

Immunogen	Fusion protein amino acids 1-544 (full-length) of rat RGS14 (accession number O08773) produced recombinantly in E. Coli
Specificity	Does not react with RGS12
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>O08773</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.

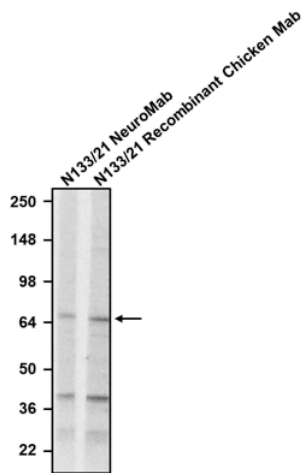
Product Images



Representative image of 4% paraformaldehyde fixed free-floating rat brain sections stained with anti-RGS14 recombinant chicken monoclonal antibody (red) at 1:1000 dilution and co-stained with anti-GFAP rabbit polyclonal antibody (green). DAPI nuclear stain (blue) shows cell nuclei. Anti-RGS14 specifically stains the pyramidal neurons in the CA2 region of the hippocampus. Image courtesy of EnCor Biotechnology.



Representative section of formalin fixed, paraffin-embedded rat brain hippocampus region showing cells stained anti-RGS14 recombinant chicken monoclonal antibody (Cat. 78-170) using goat anti-chicken IgY CF@488 secondary antibody (Cat. 80-1001-488) (green). The stained sections were mounted with Fluoroshield with DAPI and DABCO mounting medium (Cat. AR-6505). DAPI nuclear stain (blue) shows cell nuclei. Anti-RGS14 specifically stains the pyramidal neurons in the CA2 region of the hippocampus.



Western blotting of rat brain homogenate with Antibodies Incorporated anti-RGS14 mouse Mab (Cat. 75-170) and Aves Labs anti-RGS14 recombinant chicken Mab (Cat. 78-170) antibodies. The mouse Mab and chicken Mab were detected with anti-mouse-HRP and anti-chicken-HRP (Cat. 80-1000-HRP), respectively. Aves Labs Recombinant Chicken anti-RGS14 Mab recognizes endogenous RGS14 with similar sensitivity as the anti-RGS14 NeuroMab in the rat brain homogenate at ~60 kDa.

Product Page URL: www.antibodiesinc.com/products/anti-rgs14-recombinant-antibody-n133-21-78-170



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