

Anti-RGS14 Antibody

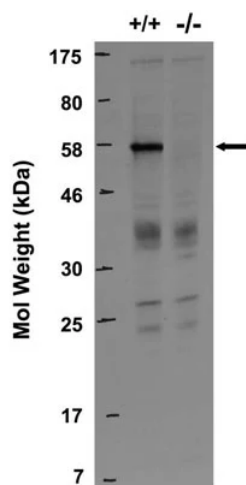


Product Details

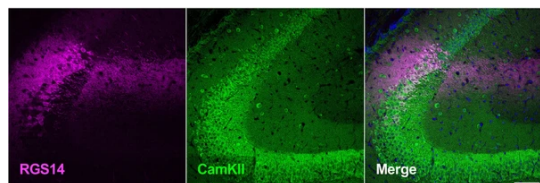
Available Variants	100 µL (SKU:75-170) 20 µL (SKU:75-170-020)
Conjugate	Unconjugated
Isotype	IgG2a
Clone	N133/21
Gene Name	Rgs14
Host Species	Mouse
Concentration	1 mg/mL
Format	Purified by Protein A chromatography
Physical State	Liquid
Buffer	10 mM Tris, 50 mM Sodium Chloride, 0.065% Sodium Azide pH 7.97
Production Notes	Produced by in vitro bioreactor culture of hybridoma line followed by Protein A affinity chromatography. Purified mAbs are >90% specific antibody.
Applications	ELISA, ICC, IHC, WB
Dilution Ranges	WB: 1:1000 IHC: 1:500 ICC: 1:500
Species Reactivity	Human, 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.
Antibody Registry ID	AB_2179931
UniProt ID	O08773
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

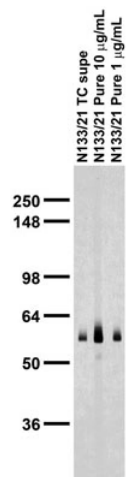


Immunoblot against lysates from wild-type (+/+) and RGS14 knockout (-/-) mouse brains probed with N133/21. Data courtesy of John Hepler (Emory).



Coronal section from a C57BL/6J mouse showing the hippocampus co-stained with RGS14 (Cat. 75-170, 1:500; pink) and CaMKII alpha (green). The merged image is shown on the right. Image from publication CC-BY-4.0.

[PMID:36971428](#)



Adult rat brain membrane immunoblot.

Product Page URL: www.antibodiesinc.com/products/anti-rgs14-antibody-n133-21-75-170



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