

Anti-GluA2/GluR2 Glutamate Receptor Recombinant Chicken Chimeric mAb

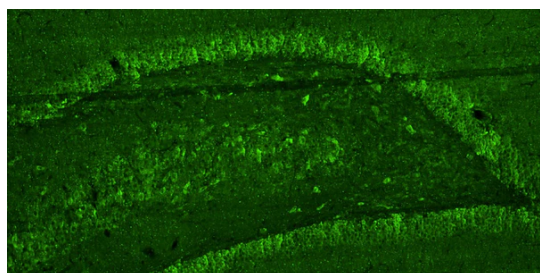


Product Details

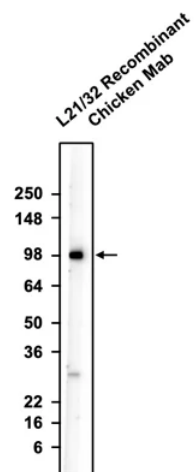
Available Variants	100 µL (SKU:78-002) 20 µL (SKU:78-002-020)
Conjugate	Unconjugated
Isotype	IgY
Clone	L21/32
Gene Name	Gria2 Glur2
Host Species	Chicken
Concentration	1 mg/mL
Format	Purified by affinity chromatography
Physical State	Liquid
Buffer	1X PBS, 0.05% Sodium Azide pH 7.4
Production Notes	This recombinant antibody is a chimeric antibody created by replacing the mouse heavy and light constant regions of clone L21/32 with chicken IgY heavy and light constant regions. As such this antibody retains the same binding performance as the original clone L21/32 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: 1:500-1:1000 WB Brain: 1:500-1:1000 IHC: 1:250-1:500 ICC: 1:500
Species Reactivity	Human, Mouse, Rat

Immunogen	Fusion protein amino acids 834-883 (EFCYKSRAEAKRMKVAKNPQNINPSSSQNSQNFATYKEGYNVYGIESVKI, cytoplasmic C-terminus) of rat GluA2/GluR2 produced recombinantly in E. Coli
Specificity	Does not cross-react with GluA1/GluR1, GluA3/GluR3 or GluA4/GluR4 (based on KO validation results)
Molecular Weight	90 kDa
Quality Control	Each new lot of antibody is quality control tested by Western blot on rat brain membrane fraction 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>P19491</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 section of formalin fixed, paraffin-embedded rat brain hippocampal region showing cells stained by anti-GluA2/GluR2 Glutamate Receptor recombinant chicken mAb (green, Cat No. 78-002) using goat anti-chicken IgY CF®488 secondary antibody (Cat No. 80-1001-488).



Western blotting of rat brain membrane with anti-GluA2/GluR2 Glutamate Receptor recombinant chicken mAb (Cat No. 78-002). The chicken mAb was detected with anti-chicken-HRP (Cat No. 80-1000-HRP) and recognizes endogenous GluA2 in the rat brain membrane fraction at ~100 kDa.

Product Page URL: www.antibodiesinc.com/products/anti-glua2-glur2-glutamate-receptor-recombinant-antibody-l21-32-78-002



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