

Anti-GluA2/GluR2 Glutamate Receptor Antibody

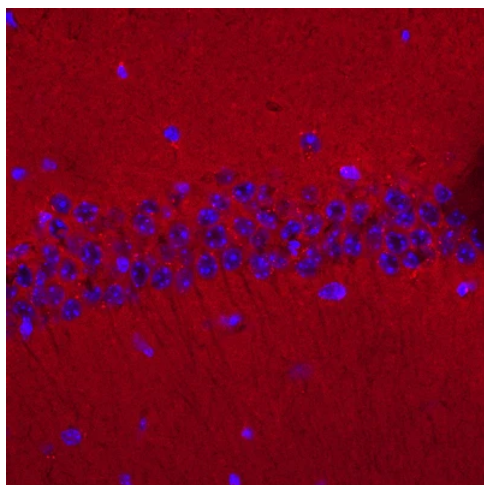


Product Details

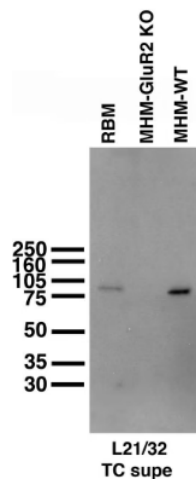
Available Variants	100 µL (SKU:75-002) 20 µL (SKU:75-002-020)
Conjugate	Unconjugated
Isotype	IgG1
Clone	L21/32
Gene Name	Gria2 Glur2
Host Species	Mouse
Concentration	1 mg/mL
Format	Purified by Protein A chromatography
Physical State	Liquid
Buffer	10 mM Tris, 50 mM Sodium Chloride, 0.065% Sodium Azide pH 7.4
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, EM, ICC, IHC, IP, WB
Dilution Ranges	WB: 1:500 IHC: 1:250 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 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_2232661
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.

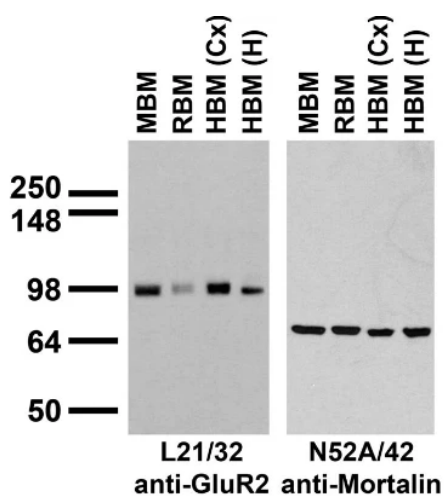
Product Images



Immunolabeling of mouse hippocampus identifying GluR2 (Cat. 75-002, red). Nuclear staining done with DAPI. Image kindly provided by Huaye Zhang, Department of Neuroscience and Cell Biology, Rutgers Robert Wood Johnson Medical School.



Immunoblot of membranes from adult rat brain (RBM) and adult GluA2/GluR2 knockout (KO) and wild-type (WT) mouse hippocampi (MHM). Mouse samples courtesy of Richard Huganir (Johns Hopkins University).



Immunoblot against crude membrane fractions from whole mouse (MBM) or rat (RBM) brain and from human cerebral cortex [HBM(Cx)] or hippocampus [HBM(H)] and probed with L21/32 (left) or N52A/42. (right) TC supe.

Product Page URL: www.antibodiesinc.com/products/anti-glua2-glur2-glutamate-receptor-antibody-l21-32-75-002



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