
GLUR2 Rabbit pAb

Catalog Number: bs-1798R

Target Protein: GLUR2

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: WB (1:500-2000), IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500), Flow-Cyt (1µg /test)

Reactivity: Human, Mouse, Rat (predicted:Pig, Dog)

Predicted MW: 97 kDa

Entrez Gene: 2891

Swiss Prot: P42262

Source: KLH conjugated synthetic peptide derived from human GluR2 : 151-250/883.

Purification: affinity purified by Protein A

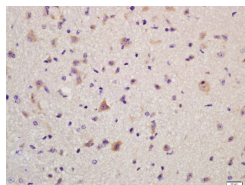
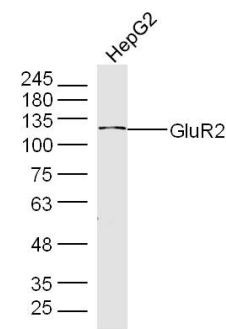
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

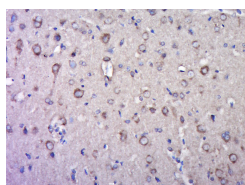
Background: Glutamate receptors are the predominant excitatory neurotransmitter receptors in the mammalian brain and are activated in a variety of normal neurophysiologic processes. This gene product belongs to a family of glutamate receptors that are sensitive to alpha-amino-3-hydroxy-5-methyl-4-isoxazole propionate(AMPA), and function as ligand-activated cation channels. These channels are assembled from 4 related subunits, Gria1-4. The subunit encoded by this gene (Gria2) is subject to RNA editing(CAG->CGG; Q->R) within the second transmembrane domain, which is thought to render the channel impermeable to Ca(2+). Alternative splicing, resulting in transcript variants encoding different isoforms, (including the flip and flop isoforms that vary in their signal transduction properties), has been noted for this gene.

VALIDATION IMAGES

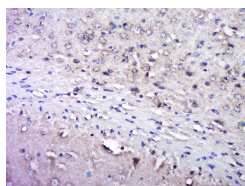
Sample: HepG2 Cell Lysate at 30 ug Primary: Anti-GluR2 (bs-1798R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 97 kD Observed band size: 117 kD



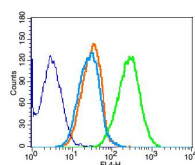
Tissue/cell: mouse brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Incubation: Anti-GLUR2 Polyclonal Antibody, Unconjugated (bs-1798R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody (SP-0023) and DAB (C-0010) staining



Paraformaldehyde-fixed, paraffin embedded (Rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH 6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (GLUR2) Polyclonal Antibody, Unconjugated (bs-1798R) at 1:500 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.

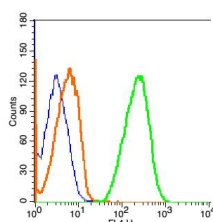


Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH 6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (GLUR2) Polyclonal Antibody, Unconjugated (bs-1798R) at 1:500 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.



Blank control: RSC96(blue) Isotype Control Antibody: Rabbit IgG(orange); Secondary Antibody: Goat anti-rabbit IgG-AF647(white blue), Dilution: 1:100 in 1 X PBS containing 0.5% BSA; Primary Antibody Dilution: 1ugl in 100 uL 1X PBS containing 0.5% BSA(green).

Key	Name	Parameter
—	RSC96-blank-084	FLA-H
—	bs-0295P-AF647-RSC96-0.5.089	FLA-H
—	bs-1798R-AF647-RSC96-0.070	FLA-H
—	bs-0295G-AF647-RSC96-2.065	FLA-H



Blank control: RSC96(blue) Isotype Control Antibody: Rabbit IgG-AF647(orange); Primary Antibody Dilution: 5ul in 100uL 1X PBS containing 0.5% BSA(green).

PRODUCT SPECIFIC PUBLICATIONS

[IF=13.352] Tingting Ku. et al. Tebuconazole mediates cognitive impairment via the microbe-gut-brain axis (MGBA) in mice. ENVIRON INT. 2023 Feb;;107821 WB ; Mouse . 36827814

[IF=8.58] Ku, Tingting, et al. "NF-κB-regulated microRNA-574-5p underlies synaptic and cognitive impairment in response to atmospheric PM 2.5 aspiration." Particle and Fibre Toxicology 14.1 (2017): 34. WB ; ="Mouse" . 28851397

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

- [IF=6.105] Ku et al. NF- κ B-regulated microRNA-574-5p underlies synaptic and cognitive impairment in response to atmospheric PM2.5 aspiration. (2017) Part.Fibre.Toxicol. 14:34 WB ; Mouse . 28851397
- [IF=4.12] Ko et al. Smartphone-enabled optofluidic exosome diagnostic for concussion recovery. (2016) Sci.Rep. 6:31215 Other ; Human, Mouse, Rat, Dog, . 27498963
- [IF=3.793] Jina Ko. et al. Multi-Dimensional Mapping of Brain-Derived Extracellular Vesicle MicroRNA Biomarker for Traumatic Brain Injury Diagnostics. J Neurotraum. 2020 Oct;37(22):2424-2434 Other ; . 30950328