## bs-10042R

## [ Primary Antibody ]

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# GluR1 Rabbit pAb

- DATASHEET -

Host: Rabbit Isotype: IgG

Clonality: Polyclonal

**GenelD:** 2890 **SWISS:** P42261

Target: GluR1

**Immunogen:** KLH conjugated synthetic peptide derived from human GluR1:

141-240/906. < Extracellular >

**Purification:** affinity purified by Protein A

Concentration: 1mg/ml

**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. These receptors are heteromeric protein complexes with multiple subunits, each possessing transmembrane regions, and all arranged to form a ligand-gated ion channel. The classification of glutamate receptors is based on their activation by different pharmacologic agonists. This gene belongs to a family of alphaamino-3-hydroxy-5-methyl-4-isoxazole propionate (AMPA) receptors. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by

RefSeq, Jul 2008].

Applications: WB (1:500-2000)

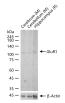
IHC-P (1:100-200) IHC-F (1:100-200) IF (1:100-200) IP (1:20-50)

Reactivity: Human, Mouse, Rat

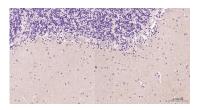
Predicted MW.: 98 kDa

**Subcellular** Extracellular matrix ,Cell **Location:** membrane ,Cytoplasm

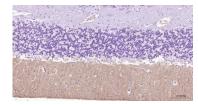
### VALIDATION IMAGES



25 ug total protein per lane of various lysates (see on figure) probed with GluR1 polyclonal antibody, unconjugated (bs-10042R) at 1:2000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



Paraformaldehyde-fixed, paraffin embedded Human Cerebellum; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with GluR1 Polyclonal Antibody, Unconjugated(bs-10042R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.



Paraformaldehyde-fixed, paraffin embedded Rat Cerebellum; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with GluR1 Polyclonal Antibody, Unconjugated(bs-10042R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.

#### — SELECTED CITATIONS –

- [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=8.56] 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
- [IF=7.4] Song-Ji Li. et al. CNTN1 Aggravates Neuroinflammation and Triggers Cognitive Deficits in Male Mice by Boosting Crosstalk between Microglia and Astrocytes. AGING DIS. 2023 Oct 1; 14(5): 1853–1869 WB ;Mouse. 37196127
- [IF=4.6] Xiao-Yu Lu. et al. Oral edaravone ameliorates behavioral deficits and pathologies in a valproic acid-induced rat

ear extinction re	etention. CEREB CO	RTEX. 2022 May;:	WB ;Mouse. 3	5511705	