

bs-10042R**[Primary Antibody]****Bioss**
ANTIBODIES

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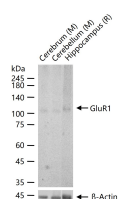
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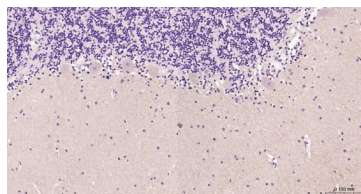
400-901-9800

GluR1 Rabbit pAb**— DATASHEET —**

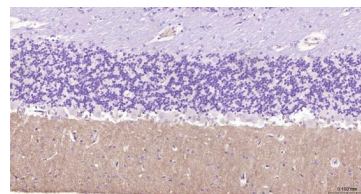
Host: Rabbit	Isotype: IgG	Applications: WB (1:500-1:2000)
Clonality: Polyclonal		IHC-P (1:100-1:200)
GeneID: 2890	SWISS: P42261	IHC-F (1:100-1:200)
Target: GluR1		IF (1:100-1:200)
		IP (1:20-1:50)
Immunogen: KLH conjugated synthetic peptide derived from human GluR1: 141-240/906. < Extracellular >		Reactivity: Human, Mouse, Rat
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.		Predicted MW.: 98 kDa
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 alpha-amino-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].		Subcellular Location: Extracellular matrix ,Cell 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

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model of autism spectrum disorder. NEUROPHARMACOLOGY. 2024 Nov;258:110089 WB ;Rat. 39033904

- **[IF=5.357]** Li Song-Ji. et al. Infralimbic YTHDF1 is necessary for the beneficial effects of acute mild exercise on auditory fear extinction retention. CEREB CORTEX. 2022 May;; WB ;Mouse. 35511705