## bs-20649R

## [ Primary Antibody ]

# PSD95 Rabbit pAb

# Bio'ss ANTIBODIES

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Applications: WB (1:500-2000) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500)

Reactivity: Mouse, Rat (predicted: Human, Rabbit, Pig, Sheep, Cow, Dog, Horse)

Predicted MW.: <sup>80 kDa</sup>

Subcellular Location: Cell membrane

Host: Rabbit

- DATASHEET -

Clonality: Polyclonal GeneID: 1742

SWISS: P78352

Isotype: IgG

Target: PSD95

Immunogen: KLH conjugated synthetic peptide derived from human PSD95: 351-450/724.

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:** This gene encodes a member of the membrane-associated guanylate kinase (MAGUK) family. It heteromultimerizes with another MAGUK protein, DLG2, and is recruited into NMDA receptor and potassium channel clusters. These two MAGUK proteins may interact at postsynaptic sites to form a multimeric scaffold for the clustering of receptors, ion channels, and associated signaling proteins. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

### – VALIDATION IMAGES



Sample: Lane 1: Spinal cord (Mouse) Lysate at 40 ug Lane 2: Cerebrum (Rat) Lysate at 40 ug Lane 3: Cerebrum (Mouse) Lysate at 40 ug Lane 4: Cerebellum (Rat) Lysate at 40 ug Lane 5: Cerebellum (Mouse) Lysate at 40 ug Primary: Anti-PSD95 (bs-20649R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 80 kD Observed band size: 95 kD



Paraformaldehyde-fixed, paraffin embedded (mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) 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 (PSD95) Polyclonal Antibody, Unconjugated (bs-20649R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.



Paraformaldehyde-fixed, paraffin embedded (rat cerebellum); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) 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 (PSD95) Polyclonal Antibody, Unconjugated (bs-20649R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.

### - SELECTED CITATIONS -

- [IF=15.1] Ke Wu. et al. The microglial innate immune receptors TREM-1 and TREM-2 in the anterior cingulate cortex (ACC) drive visceral hypersensitivity and depressive-like behaviors following DSS-induced colitis. BRAIN BEHAV IMMUN. 2023 Jun;: WB ;MOUSE. 37286175
- [IF=5.6] Qifeng Shi. et al. PLC-CN-NFAT1 signaling-mediated Aβ and IL-1β crosstalk synergistically promotes hippocampal neuronal damage. INT IMMUNOPHARMACOL. 2024 Jun;134:112259 WB,IF ;MOUSe. 38749336
- [IF=5.1] Gao Jie. et al. MANF Alleviates Sevoflurane-Induced Cognitive Impairment in Neonatal Mice by Modulating Microglial Activation and Polarization. MOL NEUROBIOL. 2023 Nov;:1-12 WB ;Mouse. 37989984

- [IF=4.6] Yumei Zheng. et al.Abdominal LIPUS Stimulation Prevents Cognitive Decline in Hind Limb Unloaded Mice by Regulating Gut Microbiota.MOLECULAR NEUROBIOLOGY.2025 Jan 29. Western blot; Mouse. 39878866
- [IF=4.6] Mu Xu. et al.Esketamine mitigates endotoxin-induced hippocampal injury by regulating calcium transient and synaptic plasticity via the NF-α1/CREB pathway.NEUROPHARMACOLOGY.2025 May 15:269:110362. IF ;MOUSE. 10.1016/j.neuropharm.2025.110362