

bs-0179R**[Primary Antibody]****PSD95 Rabbit pAb****BioSS**
ANTIBODIES

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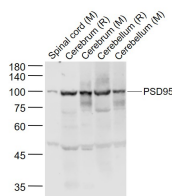
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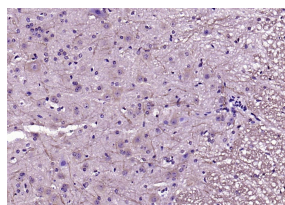
400-901-9800

DATASHEET

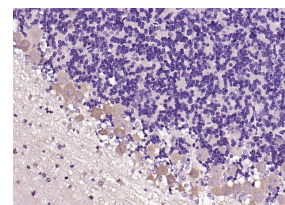
Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) Reactivity: Mouse, Rat (predicted: Human, Rabbit, Pig, Sheep, Cow, Dog, Horse) Predicted MW.: 80 kDa Subcellular Location: Cell membrane
Clonality: Polyclonal		
GeneID: 1742	SWISS: P78352	
Target: PSD95		
Immunogen: KLH conjugated synthetic peptide derived from human PSD95: 468-560/724.		
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-0179R) 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 Spinal Cord; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with PSD95 Polyclonal Antibody, Unconjugated (bs-0179R) 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 PSD95 Polyclonal Antibody, Unconjugated (bs-0179R) 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=10.1]** Jiayi Zheng. et al. Role of FPR2 antagonism in alleviating social isolation-induced depression and protecting blood-brain barrier integrity. J NEUROINFLAMM. 2025 Mar;;22:79 WB ;Mouse. 40083006
- **[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 ;="Monkey, Mouse". 28851397
- **[IF=7.26]** Zhang, Chi, et al. "The potential use of H102 peptide-loaded dual-functional nanoparticles in the treatment of

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Alzheimer's disease." Journal of Controlled Release (2014). WB ;="Mouse" . 25102404

- **[IF=5.62]** Zhao, Tianyun, et al. "Ketamine administered to pregnant rats in the second trimester causes long-lasting behavioral disorders in offspring." Neurobiology of Disease (2014). WB ;="Rat" . 24780497