

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

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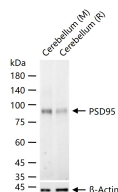
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— DATASHEET —

Host: Rabbit Clonality: Polyclonal GeneID: 1742 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]	Isotype: IgG SWISS: P78352	Applications: WB (1:500-2000) Reactivity: Mouse, Rat (predicted: Human) Predicted MW.: 80 kDa Observed MW.: 95 kDa Subcellular Location: Cell membrane
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— VALIDATION IMAGES —

25 ug total protein per lane of various lysates (see on figure) probed with PSD95 polyclonal antibody, unconjugated (bs-0179R) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.

— 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 Alzheimer' s disease." Journal of Controlled Release (2014). WB ;="Mouse". 25102404
- **[IF=5.75]** Zhifei Wang. et al. Human Cytomegalovirus Immediate Early Protein 2 Protein Causes Cognitive Disorder by

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Damaging Synaptic Plasticity in Human Cytomegalovirus-UL122-Tg Mice. Front Aging Neurosci. 2021; 13: 720582 IF,IHC
;Mouse. 34790111