

Anti-PSD-95 [K28/43] Standard Size Ab02108-2.0

Variable region sequences were determined by Dr. James Trimmer at the University of California, Davis, as supported by National Institutes of Health BRAIN Initiative award U24 NS109113.

Isotype and Format: Mouse IgG2a, Kappa

Clone Number: K28/43

Alternative Name(s) of Target: K28/43R; pSD95; Postsynaptic density protein 95; Disks large homolog 4; Synapse-associated protein 90; DLG4; Dlg4; SAP-90

UniProt Accession Number of Target Protein: P78352

Published Application(s): IB, IP, WB, IF

Published Species Reactivity: Rat, Human, Mouse

Immunogen: This antibody was raised by immunising BALB/c mice with a fusion protein consisting of amino acids 77-299 (PDZ domains 1 and 2) of human PSD-95.

Specificity: This antibody is specific for PSD-95. It has been shown not to cross-react with DLG1/SAP97, DLG2/Chapsyn-110 or DLG3/SAP102.

Application Notes: This antibody has been used in immunoblot analysis of membranes prepared from adult rat and mouse brain (Andrews et al, 2019; PMID:30667360; Rasband et al, 2019). This antibody has also been used in immunofluorescence staining of cultured rat hippocampal neurons and immunohistochemical analysis of adult rat brain sections (Andrews et al, 2019; PMID:30667360). Additionally, this antibody has been used in western blot analysis of rat spinal dorsal horn neurons (Li et al, 2019) and immunogold electron microscopy (Andrews et al, 2019; PMID:30667360).

Antibody First Published in: Rasband et al. Clustering of neuronal potassium channels is independent of their interaction with PSD-95 J Cell Biol. 2002;159(4):663-672 [PMID:12438413](#)

Note on publication: Describes the original generation of this antibody and its initial characterisation.

Product Form

Size: 200 µg Purified antibody.

Purification: Protein A affinity purified

Supplied In: PBS with 0.02% Proclin 300.

Storage Recommendation: Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.

Concentration: 1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic

procedures for humans or animals.