

Anti-PSD-95 Antibody

Product Data Sheet · P/N 74108 Rev 01 · Reissued 2026-09-19 (layout only)

Product code	Pack size
P40026-100	100 µL
Host Species	Rabbit (Polyclonal)
Mr (kDa)	95

Description

PSD-95 is a very prominent component of the postsynaptic densities of synapses. It contains three PDZ domains which play key roles in its interactions with other proteins in the synapse. It has been proposed that these PDZ domains organize glutamate receptors and their associated signaling proteins and determine the size and strength of synapses (Kim and Sheng, 2004). Recent work suggests that interaction of the NMDAR with PSD-95 via these PDZ domains can be regulated by phosphorylation (Chung et al., 2004).

Immunogen

Peptide corresponding to amino acid residues from the N-terminal region of rat PSD-95, conjugated to keyhole limpet hemocyanin (KLH).

Species Reactivity

The antibody has been directly tested for reactivity in Western blots in rat and mouse tissues. It is anticipated that the antibody will also work with bovine, human, non-human primates and zebra fish tissues based on the fact that these species have 100% homology with the amino acid sequence used as antigen.

Physical State

Liquid; Buffer contents: 10 mM HEPES (pH 7.5), 150 mM NaCl, 100 µg per mL BSA and 50% glycerol

Purification Method

Prepared from rabbit serum by affinity purification via chromatography on an affinity column made with the N-terminal peptide used as antigen.

Recommended Antibody Dilutions

WB: 1:1000

Storage/Stability

Stable at -20 °C for at least 1 year.

For long term storage -20 °C is recommended

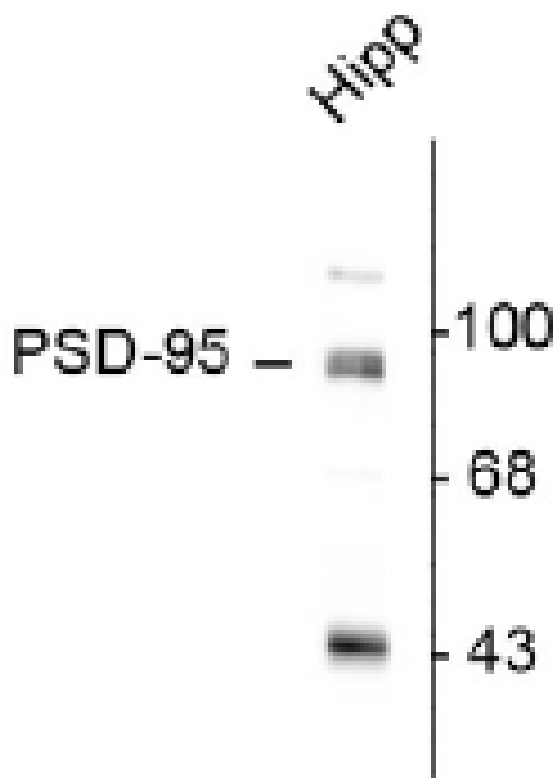
Shipping Conditions

Domestic: Blue Ice

International: Blue Ice or Dry Ice

References

- 1) Chung HJ et al. (2004) J Neurosci 24:10248-10259.
- 2) Kim EJ et al. (2004) Nat Rev Neurosci 5:771-781.



Western Blot Rat hippocampal (Hipp) lysate showing specific immunolabeling of the ~95k PSD-95 protein.

For research use or further manufacturing only. Not for use in diagnostic procedures, or for human or animal consumption.