



### Anti-PSD-95 MAGUK scaffold protein, NeuroMab clone K28/74

Available as TC supe (RRID:AB\_2315908) & Pure IgG (RRID:AB\_2315909)

#### Immunogen:

Fusion protein amino acids 77-299 (PDZ domains 1 and 2) of human PSD-95 (also known as Postsynaptic density protein 95, Disks large homolog 4, Synapse-associated protein 90, DLG4, Dlg4 and SAP-90, accession number P78352)

Rat: 100% identity (223/223 amino acids identical)

Mouse: 99% identity (221/223 amino acids identical)

65-80% identity with DLG1/SAP97, DLG2/Chapsyn-110 and DLG3/SAP102

#### Monoclonal antibody info:

Mouse strain: Balb/C

Myeloma cell: SP2/0

Mouse Ig Isotype: IgG1

#### NeuroMab Applications:

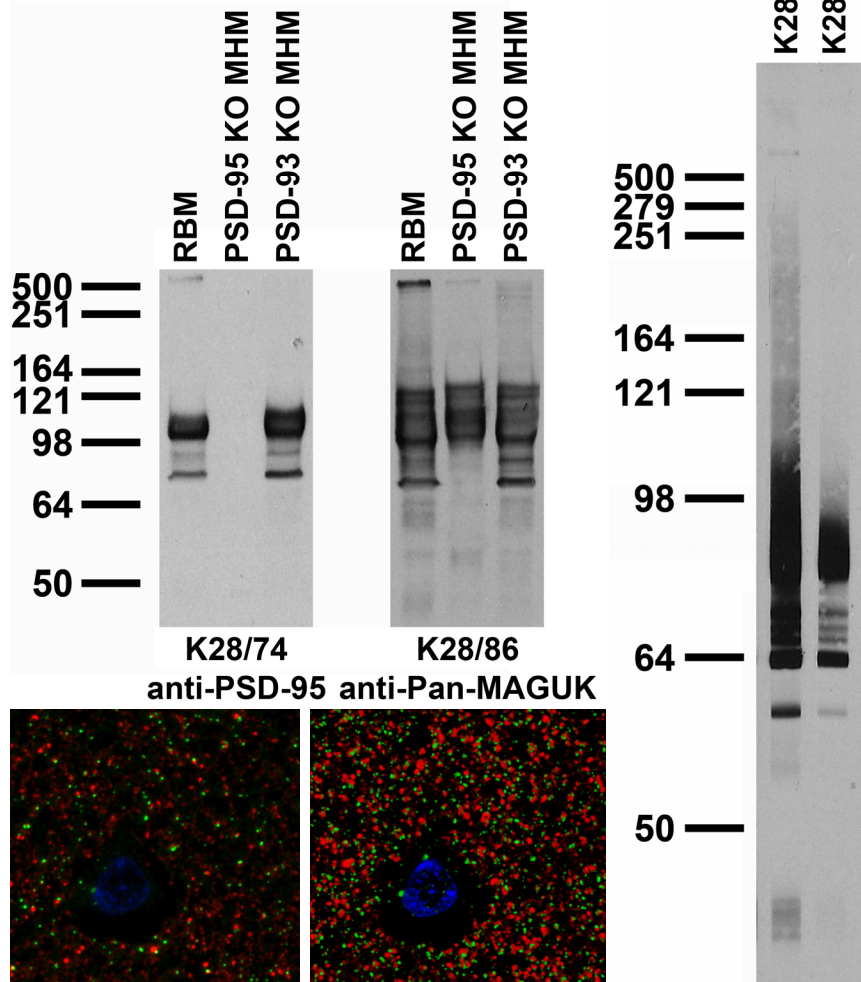
Immunoblot, Immunocytochemistry and Immunohistochemistry

Species Reactivity: human, rat, mouse

Does not cross-react with DLG1/SAP97, DLG2/Chapsyn-110 or DLG3/SAP102

MW: 95-110 kDa (varies with cell background due to phosphorylation)

Top left: immunoblot against adult rat brain membranes (RBM) and adult mouse hippocampal membranes (MHM) from PSD-95 or PSD-93 knockout (KO) mice probed with K28/74 (left) or K28/86 (right) TC supe. Mouse samples courtesy of Richard Huganir (Johns Hopkins University, HHMI).



Middle left: immunofluorescence of human frontal cortex with K28/74 (green), rabbit Synapsin-1 (red) and DAPI (blue). Twelve images from 100 nm sections (left) were volume-reconstructed via array tomography (31.5 x 34 x 1.2  $\mu$ m, right). Image courtesy of Nancy O'Rourke, Nafisa Ghorri and Stephen Smith (Stanford).

Top right: adult rat brain membrane immunoblot

Bottom: adult rat brain immunohistochemistry

