



Anti-PSD-93/Chapsyn-110 scaffold protein, NeuroMab clone N18/30

Immunogen:

Fusion protein amino acids 1-852 (full-length) of rat Chapsyn-110 (also known as Channel-associated protein of synapse-110, Postsynaptic density protein PSD-93, Disks large homolog 2, Dlg2 and Dlg2, accession number Q63622)

Mouse: 99% identity (846/852 amino acids identical)

Human: 94% identity (826/870 amino acids identical)

>60% identity with other MAGUK family members (SAP97/Dlg1, SAP102/Dlg3 and PSD-95/Dlg4)

Monoclonal antibody info:

Mouse strain: Balb/C

Myeloma cell: SP2/0

Mouse Ig Isotype: IgG1

NeuroMab Applications:

Immunoblot, Immunocytochemistry, Immunohistochemistry and Immunoprecipitation

Species Reactivity: rat, mouse, human (weak)

Does not cross-react with SAP-97, SAP102 or PSD-95

MW: 110 kDa

Top left: immunoblot against crude membranes from whole adult mouse brain (MBM) or rat brain (RBM) and from human cerebral cortex [HBM(Cx)] or hippocampus [HBM(H)] probed with N18/30 (left) or N52A/42 (right) TC supe.

Top right: immunoblot against crude membranes from whole adult rat brain (RBM) or hippocampi (MHM) from adult PSD-93/Chapsyn-110 knockout (KO) or wild-type (WT) mice. Mouse samples courtesy of Richard Huganir (Johns Hopkins University).

Center: immunofluorescence staining of cultured rat hippocampal neurons with N18/30 (red), K13/31 (Kv1.4, green) and rabbit anti-MAP2 (blue). Image courtesy of Yasuhiro Ogawa and Matthew Rasband (Baylor College of Medicine).

Bottom: adult rat brain hippocampus (upper) and cerebellum (lower) immunohistochemistry.

