

UC Davis/NIH NeuroMab Facility

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Anti-pan-Shank (SH3 and multiple ankyrin repeat domains protein) scaffold protein, NeuroMab clone N23B/49

Available as TC supe (RRID: AB_10674115) & Pure IgG (RRID: AB_10672418)

Immunogen:

Fusion protein amino acids 84-309 (SH3/PDZ domains) of rat Shank2 (accession number Q9QX74)

Human: 94% identity (213/226 amino acids identical) Mouse: 97% identity (220/226 amino acids identical)

Monoclonal antibody info:

Mouse strain: Balb/C Myeloma cell: SP2/0 Mouse Ig Isotype: IgG1

NeuroMab Applications:

Immunoblotting, Immunohistochemistry and Immunoprecipitation

Species Reactivity: human, mouse, rat Recognizes Shank1, Shank2 and Shank3

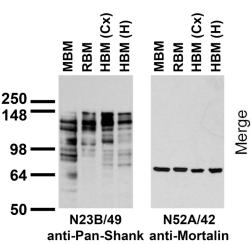
MW: 160 kD

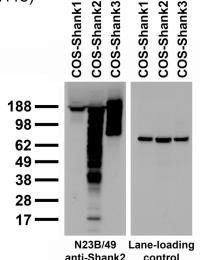
<u>Images</u>

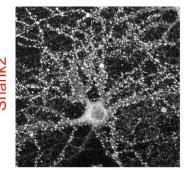
Right. Upper: Transfected cell immunoblot: extracts of COS-1 cells transiently transfected with Shank1, Shank2 or Shank3 plasmids and probed with N23B/49 TC supe or a lane loading control. Lower. Cultured rat hippocampal neuron immunofluorescence: N23B/49 (Pan-Shank) = red, rabbit anti-PSD-95 = green, merge = yellow (bottom right). Image courtesy of Dr. Albert Hung, Picower Institute, MIT.

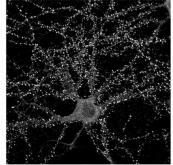
Bottom. Left: Adult rat hippocampus immunohistochemistry. Right. Immunoblots on brain membranes prepared from whole rat (RBM) and mouse (MBM) brain, and from human cerebral cortex [HBM(Cx)] and hippocampus [HBM(H)].











SD-95

