



### 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

#### Images

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)].

