



Anti-Shank3, NeuroMab clone N367/62

Available as TC supe (RRID: AB_2315920) & Pure IgG (RRID: AB_2315921)

Immunogen:

Fusion protein amino acids 538-626 (SH3 domain) of rat Shank3 (also known as SH3 and multiple ankyrin repeat domains protein 3, Proline-rich synapse-associated protein 2, ProSAP2, PSAP2, SPANK-2 and Kiaa1650, accession number Q9JLU4)

Mouse: 100% identity (89/89 amino acids identical)

Human: 97% identity (87/89 amino acids identical)

~70% identity with Shank1 and Shank2

Monoclonal antibody info:

Mouse strain: Balb/C

Myeloma cell: SP2/0

Mouse Ig Isotype: IgG2a

NeuroMab Applications:

Immunoblot, Immunocytochemistry and Immunohistochemistry

Species Reactivity: rat, mouse

Does not cross-react with Shank1 or Shank2

MW: 190 kDa

Top: immunoblot against adult rat brain membranes (RBM) and membranes from Shank3 wild-type (WT) and knockout (KO) mice probed with N367/62 (left) or K58/35 (right) TC supe. Mouse brains courtesy of Yuan Mei, Holly Robertson and Guoping Feng (MIT).

Middle: adult rat brain membrane (RBM) and transfected cell immunoblot: extracts of RBM and COS cells transiently transfected with HA-tagged Shank1, Shank2, Shank3 or untagged Kv2.1 plasmid and probed with N367/62 (left) or N23B/49 (right) TC supe.

Bottom: adult rat hippocampus immunohistochemistry (with antigen retrieval via sodium citrate pretreatment)

