



Anti-Pan-SAPAP, NeuroMab clone N127/31

Immunogen:

Fusion protein amino acids 772-992 (C-terminus) of rat SAPAP1 (also known as disks large-associated protein 1, guanylate kinase-associated protein, GKAP, SAP90/PSD-95-associated/binding protein 1, accession number P97836)

Mouse: 99% identity (200/201 amino acids identical)

Human: 99% identity (199/201 amino acids identical) 55-65% identity with other SAPAPs

Monoclonal antibody info:

Mouse strain: Balb/C

Myeloma cell: SP2/0

Mouse Ig Isotype: IgG2b

NeuroMab Applications:

Immunoblot, Immunocytochemistry and Immunohistochemistry

Species Reactivity: mouse, rat, human

Cross-reacts with other SAPAPs

MW: 120 kDa (SAPAP2), 110 kDa (SAPAP1/3/4)

Top left: Immunoblots on membranes prepared from whole mouse (MBM) and rat (RBM) brain, and from human hippocampus [HBM(H)], cerebral cortex [HBM(Cx)], and cerebellum [HBM(Cb)].

Top center: adult RBM and transfected cell immunoblot: extracts of RBM and COS cells transiently transfected with Flag-tagged SAPAP1, SAPAP4 or untagged Kv2.1 plasmids and probed with N127/31 TC supe.

Top right: adult rat brain membrane (RBM) immunoblot

Bottom left and middle: cultured rat hippocampal pyramidal cell (left) and interneuron (right) immunofluorescence staining. N127/31 (Pan-SAPAP) = green, rabbit anti-PSD-95 = red. Image courtesy of Dieter Edbauer and Morgan Sheng, Picower Institute, MIT.

Bottom right: adult rat hippocampus immunohistochemistry

