Anti-RGS14, NeuroMab clone N133/21

Available as TC supe (RRID:AB_10698026) & Pure IgG (RRID: AB_2179931)

Immunogen:
Fusion protein amino acids 1-544 (full-length) of rat RGS14 (also known as
Regulator of G-protein signaling 14, RAP1/RAP2-interacting protein and
RPIP1, accession number O08773)
Mouse: 95% identity (524/547 amino acids identical)
Human: 86% identity (475/547 amino acids identical)
<45% identity with RGS12 and other RGS proteins

Epitope mapped to within amino acids 444-490 (between 2nd Ras-binding & GoLoco
domains, PDAKTREASSIPCRSQCLPRTQTKDSHPPLSSLSVEDASGSTG,
2014 Evans et al J Comp Neurol)
Mouse: 85% identity (40/47 amino acids identical)
Human: 51% identity (24/47 amino acids identical)

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

MW: 60 kDa

Top left: immunoblot against lysates from wild-type (+/+) and RGS14 knockout (-/-)

Top center: immunoblot against crude membranes from whole mouse (MBM) or rat (RBM) brain and
from human hippocampus [HBM(H)], cerebral
cortex [HBM(Cx)] or cerebellum [HBM(Cb)] probed
with N133/21 (left) or N52A/42 (right) TC supe

Top right: adult rat brain membrane immunoblot

Bottom: adult rat hippocampus
immunohistochemistry