



Anti-KCNT1/Slo2.2/Slack K⁺ channel, NeuroMab clone N3/26

TC supe catalog # 73-051 (RRID:AB_10698032) & Pure IgG catalog # 75-051 (RRID:AB_2131855)

Immunogen:

Fusion protein amino acids 1168-1237 (cytoplasmic C-terminus) of rat Slo2.2 (also known as Potassium channel subfamily T member 1, Sequence like a calcium-activated potassium channel subunit, Kcnt1, KCa4.1, Kiaa1422 and Slack, accession number Q9Z258)

Mouse: 98% identity (69/70 amino acids identical)

Human: 94% identity (66/70 amino acids identical)

~60% identity with KCNT2/Slo2.1/Slack

Monoclonal antibody info:

Mouse strain: Balb/C

Myeloma cell: SP2/0

Mouse Ig Isotype: IgG1

NeuroMab Applications:

Immunoblot, Immunocytochemistry and Immunohistochemistry

Species Reactivity: rat, mouse, human

Does not cross-react with KCNT2/Slo2.1/Slack

MW: 140 kDa (note that the 148 kDa band of SeeBlue Plus2 marker runs at ~180 kDa in our gels)

Top: immunoblot against brain membranes from adult rat (RBM), mouse (MBM) or human cerebral cortex [HBM(Cx)] or hippocampus [HBM(H)] probed with N3/26 (left) or N52A/42 (right) TC supe

Bottom left: adult rat hippocampus CA1 (left), medial vestibular nucleus (upper right) and trapezoid body (lower right) immunohistochemistry

Bottom right: immunoblot against brain membranes from adult rat (RBM), Slo2.2 knockout (MBM-Slo2.2 KO) or wild-type (MBM-WT) mice probed with N3/26 (left) or N52A/42 (right) TC supe.

Mouse brains courtesy of Chris Lingle (Washington University).

