



Anti-Kv4.2 potassium channel subunit, NeuroMab clone L28/4

Immunogen:

Fusion protein amino acids 471-630 (cytoplasmic C-terminus) of rat Kv4.2 (Potassium voltage-gated channel subfamily D member 2, Voltage-gated potassium channel subunit Kv4.2, Kcnd2, Kila1044, MNCb-7013, RK5 and Shal1, accession number Q63881)

Mouse: 99% identity (159/160 amino acids identical)

Human: 98% identity (157/160 amino acids identical)

<50% identity with Kv4.3

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 Kv4.3 (based on KO validation results)

MW: 70 kDa

Top: immunoblot against crude brain membranes from adult rat (RBM) and wild-type (WT) and Kv4.2 knockout (KO) mice probed with L28/4 (left) or N52A/42 (right) TC supe.

Middle: immunoblot against crude membrane fractions from whole mouse (MBM) or rat (RBM) brain and from human hippocampus [HBM(H)], cerebellum [HBM(Cb)] or cerebral cortex [HBM(Cx)] and probed with L28/4 (left) or N52A/42 (right) TC supe.

Bottom: adult rat hippocampus immunohistochemistry

