



Anti-Kvβ1.2 potassium channel subunit, NeuroMab clone K47/42

Available as TC supe (RRID:AB_10671827) & Pure IgG (RRID:AB_10674579)

Immunogen:

Synthetic peptide amino acids 9-28 (ADIPSPKLGLPKSSESALKC, unique N-terminus) of human Kvβ1.2 (accession number NP_003462)

Rat: 100% identity (20/20 amino acids identical)

Monoclonal antibody info:

Mouse strain: Balb/C

Myeloma cell: SP2/0

Mouse Ig Isotype: IgG1

NeuroMab Applications:

Immunoblotting, Immunocytochemistry, Immunohistochemistry and Immunoprecipitation

Species Reactivity: human, mouse, rat

MW: 65 kDa

Top left: immunoblot of crude membrane fractions from adult heart ventricle (V) and brain (B) from wild-type (WT) and Kvβ1 knockout (Kvβ1) mice probed with K47/42 (Kvβ1.2, top) and K17/70 (Kvβ2, bottom). Data courtesy of Jeanne Nerbonne, Washington University SOM. Reproduced with permission from 2005 Aimond et al Circ Res

Top right: adult rat brain membrane immunoblot

Bottom left: adult rat hippocampus immunohistochemistry

Bottom right: immunoblot against crude membrane fractions from whole mouse (MBM) or rat (RBM) brain and from human cerebellum [HBM(Cb)], cerebral cortex [HBM(Cx)] or hippocampus [HBM(H)]

and probed with K37/89 (left) or N52A/42 (right) TC supe.

