



Anti-Kv3.3 potassium channel, NeuroMab clone N375/67

Immunogen:

Fusion protein amino acids 628-728 (cytoplasmic C-terminus) of mouse Kv3.3b (also known as Potassium voltage-gated channel subfamily C member 3, KSHIID and Kcnc3, accession number Q63959)

Human: 96% identity (94/97 amino acids identical)

Rat: 90% identity (96/106 amino acids identical)

100% identity with Kv3.3a for first 30 amino acids (AGGLGIMGLPPLPAPGEPCLPEEVIETNRA)

<40% identity with Kv3.4 or Kv3.2

Monoclonal antibody info:

Mouse strain: Balb/C

Myeloma cell: SP2/0

Mouse Ig Isotype: IgG1

NeuroMab Applications:

Immunoblot, Immunocytochemistry and Immunohistochemistry

Species Reactivity: mouse, rat, human

Cross-reacts with Kv3.3a

Does not cross-react with Kv3.4 or Kv3.2

MW: 80-100 kDa (depending on isoform)

Top left: immunoblot against adult rat brain membrane (RBM) fractions and extracts of COS cells transiently transfected with untagged Kv3.3a, Kv3.3b or Kv2.1 plasmid probed with N375/67 (left) or N52A/42 (right) TC supe.

Top right: adult rat brain membrane immunoblot

Bottom: adult rat hippocampus (left) and whole brain (right) immunohistochemistry

