UC Davis/NIH NeuroMab Facility
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Anti-Kir2.3 potassium channel, NeuroMab clone N25/35

Immunogen:
Fusion protein amino acids 390-445 (cytoplasmic C-terminus, EAAAAAAVA AGLGLEAGSKEEAGIIRMLEFGSHLDLERMQASLPLDNISYRRESAI) of human Kir2.3 (also known as Inward rectifier potassium channel subfamily J member 4, KCNJ4, Brain inwardly rectifying K(+) channel 2, Hippocampal inward rectifier, HIRK2, HRK1, HIR, IRK3 and BIR11, accession number P48050)
Mouse: 94% identity (54/57 amino acids identical)
Rat: 94% identity (54/57 amino acids identical)
<50% identity with Kir2.1 and Kir2.2

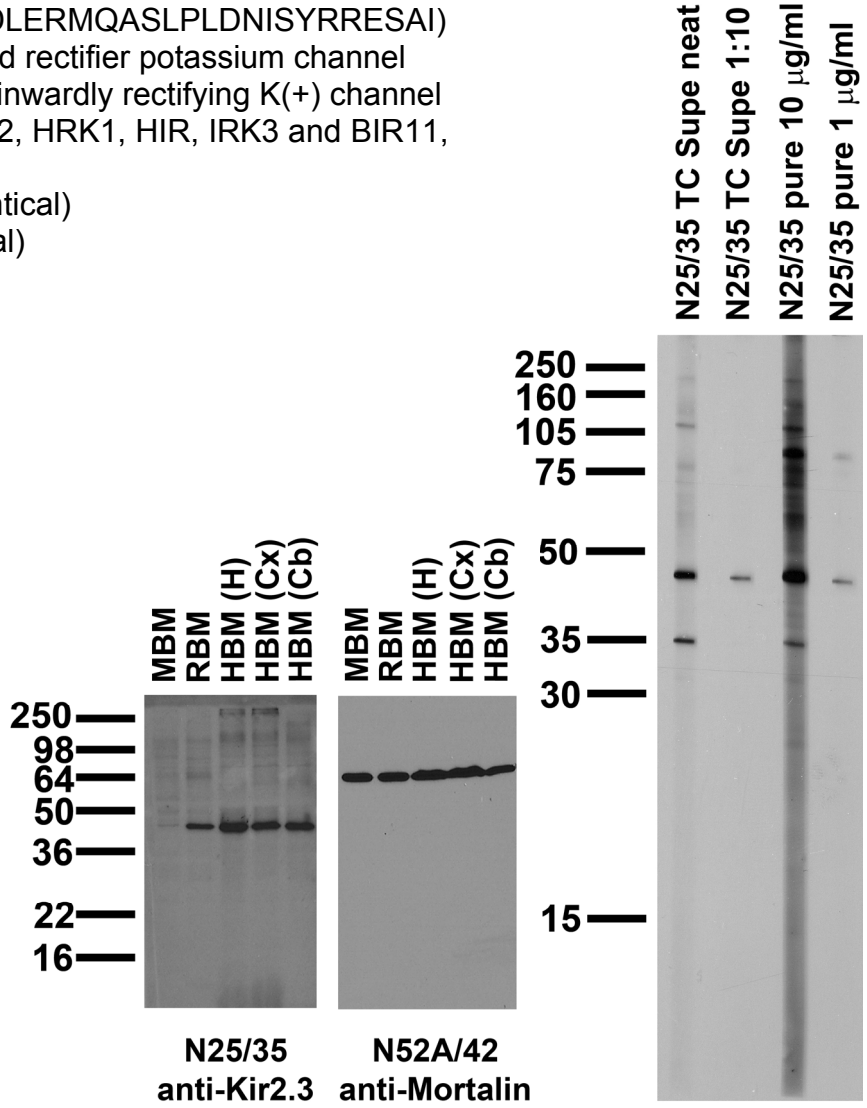
Monoclonal antibody info:
Mouse strain: Balb/C
Myeloma cell: SP2/0
Mouse Ig Isotype: IgG1

NeuroMab Applications:
Immunoblot, Immunocytochemistry, Immunohistochemistry

Species Reactivity: human, rat

Does not cross-react with Kir2.1 or Kir2.2

MW: 45 kDa



Top left: immunoblot against crude membrane fractions from whole mouse (MBM) or rat (RBM) brain and from human hippocampus [HBM(H)], cerebral cortex [HBM(Cx)] or cerebellum [HBM(Cb)] and probed with N25/35 (left) or N52A/42 (right) TC supe.

Top right: adult rat brain membrane immunoblot

Bottom: adult rat brain immunohistochemistry