

UC Davis/NIH NeuroMab Facility Department of Physiology and Membrane Biology, UC Davis, Davis CA 95616 http://neuromab.ucdavis.edu neuromab@ucdavis.edu

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

COS-Kv3.3b

COS-Kv3.3a COS-Kv3.3b

N52A/42

anti-Mortalin

COS-Kv2.

RBM

250

148

98

64

50

COS-Kv3.3a

COS-Kv2.

N375/67

anti-Kv3.3

RBM

251

164 98

64

50

N375/67 TC Supe

Available as TC supe (RRID: AB_2315871) & Pure IgG (RRID: AB_2315872)

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, KSHIIID 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
(AGGLGIMGLPPLPAPGEPCPLEEVIETNRA)
<40% identity with Kv3.4 or Kv3.2

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

<u>NeuroMab Applications:</u> Immunoblot, Immunocytochemistry and Immunohistochemistry

Species Reactivity: mouse, rat, human

Cross-reacts with Kv3.3a

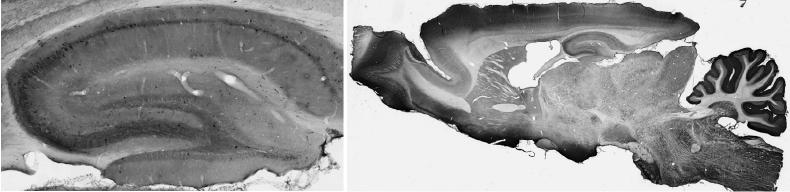
Does not cross-react with Kv3.4 or Kv3.2

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



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