



### Anti-Kv1.7 potassium channel, NeuroMab clone N471/27

TC supe catalog # 73-477 (RRID:AB\_2650549)

#### Immunogen:

Fusion protein amino acids 1-44 (cytoplasmic N-terminus) and 450-480 (cytoplasmic C-terminus) of mouse Kv1.7 (also known as Potassium voltage-gated channel subfamily A member 7, Voltage-gated potassium channel subunit Kv1.7, Kcna7, Kcnc7 and rCG\_54067, accession number Q17ST2)

Rat: 95% identity (42/44 amino acids identical) and 97% identity (30/31 amino acids identical)

Human: 100% identity (12/12 amino acids identical) and 84% identity (26/31 amino acids identical)

<50% identity with other potassium channel subunits

#### Monoclonal antibody info:

Mouse strain: Balb/C

Myeloma cell: SP2/0

Mouse Ig Isotype: IgG1

#### NeuroMab Applications:

Immunoblot and Immunocytochemistry

Species Reactivity: mouse

MW: 50 kDa

Immunoblot against extracts of COS cells transiently transfected with Myc/Flag-tagged Kv1.7 or untagged Kv2.1 plasmid probed with N471/27 (left) or rabbit anti-Flag (right).

