



Anti-KCNQ4 potassium channel, NeuroMab clone N43/6

Immunogen:

Fusion protein amino acids 2-77 of human KCNQ4 (Kv7.4, KvLQT4, accession number P56696)

Mouse: 94% identity (71/75 amino acids identical)

Rat: 94% identity (71/75 amino acids identical)

Monoclonal antibody info:

Mouse strain: Balb/C

Myeloma cell: SP2/0

Mouse Ig Isotype: IgG1

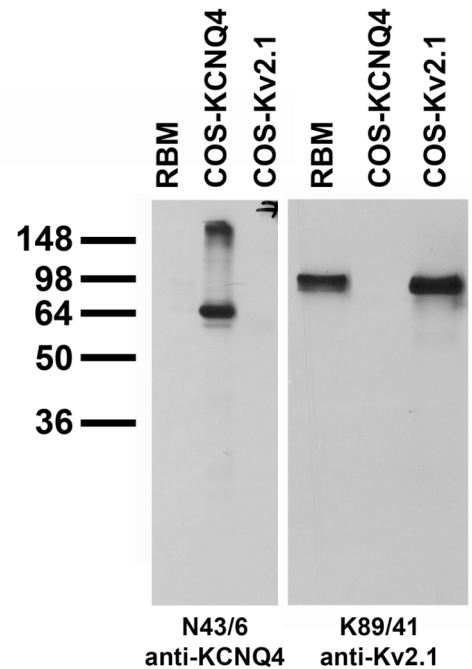
NeuroMab Applications:

Immunoblotting, Immunocytochemistry and Immunoprecipitation

Species Reactivity: human, mouse, rat

MW: 77 kD

Adult rat brain membrane (RBM) and transfected cell immunoblot: extracts of RBM (left lane) and COS-1 cells transiently transfected with KCNQ4 (middle lane) or Kv2.1 (right lane) plasmids and probed with pure N43/6 (left panel) or K89/41 TC supe (right panel).



Transfected cell immunofluorescence: COS-1 cell expressing KCNQ4 in a field of untransfected cells. Red = N43/6, Blue = Hoechst nuclear stain.

Mouse cochlea immunofluorescence. Left panel is labeling in crista ampullaris, right panel in outer hair cells in organ of Corti. Red = N43/6, Blue = Hoechst nuclear stain. Courtesy of Ms. Gesa Rickheit and Dr. Thomas Jentsch, Max-Delbrueck-Centrum fuer Molekulare Medizin, Berlin, Germany.

