Anti-Kv1.2 potassium channel subunit, NeuroMab clone K14/16

**Immunogen:**
Fusion protein amino acids 428-499 (QYLQVTSCP KIPSSPD LKKS RASTIS KSDYMEIQ EVNNSN EDFREENLT ANCTLAN TNYV NITK MLTDV, cytoplasmic C-terminus) of human Kv1.2 (also known as Potassium voltage-gated channel subfamily A member 2, Voltage-gated K(+) channel HuKIV or HBK5, Kcna2, NGK1, RAK, RBK2, RCK5 and MK2, accession number P16389), epitope mapped to within underlined sequence (amino acids 463-480)

- Mouse: 100% identity (72/72 amino acids identical)
- Rat: 100% identity (72/72 amino acids identical)
- Some identity with Kv1.1, Kv1.3 and Kv1.4

**Monoclonal antibody info:**
- Mouse strain: Balb/C
- Myeloma cell: SP2/0
- Mouse Ig Isotype: IgG2b

**NeuroMab Applications:**
- Immunoblot, Immunocytochemistry, Immunohistochemistry and Immunoprecipitation

**Species Reactivity:** human, mouse, rat, zebrafish and *Xenopus*

No cross-reactivity against Kv1.1, Kv1.3, Kv1.4, Kv1.5 or Kv1.6

**MW:** 80 kDa

Top: adult rat brain membrane immunoblot.

Bottom left: adult rat hippocampus immunohistochemistry.

Bottom middle: immunoblot on brain membranes from wild-type (WT) and Kv1.2 knockout (Kv1.2-/-) mice and from adult rat brain (RBM).

Bottom right: immunoblot on membranes from whole rat (RBM) and mouse (MBM) brain and from human cerebral cortex [HBM(Cx)] and hippocampus [HBM(H)].