UC Davis/NIH NeuroMab Facility
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Anti-Kv1.2 potassium channel subunit, NeuroMab clone K14/16

Available as TC supe (RRID:AB_10674277) & Pure IgG (RRID:AB_2296313)

Immunogen:
Fusion protein amino acids 428-499 (QYLQVTSCPKIPSSPDLKKSRSASTISKSDYMEIQEGVNNSN EDFREENLKTANCTLANTNYVNITKMLTDV, 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

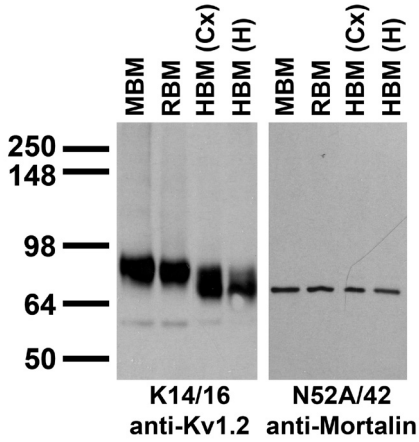
NeuroMab Applications:
Immunoblot,
Immunocytochemistry,
Immunohistochemistry

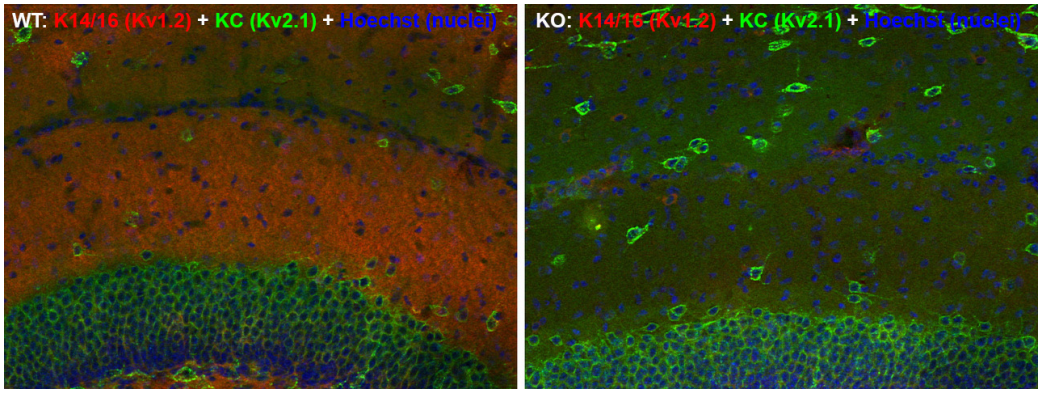
and Immunoprecipitation

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

Does not cross-react with other Kv1 channels

MW: 80 kDa





Top left: adult rat hippocampus immunohistochemistry
Top right: immunoblot on membranes from whole rat (RBM) and mouse (MBM) brain and from human cerebral cortex [HBM(Cx)] and hippocampus [HBM(H)].
Middle: immunofluorescence on brains from wild-type (WT) and Kv1.2 knockout (KO) mice
Bottom: immunoblots on RBM and brain membranes from frog (FBM) and zebrafish (ZBM) [left] and from WT and Kv1.2 knockout (Kv1.2-/-) mice [right].