



### Anti-Kv1.4 potassium channel subunit, NeuroMab clone K13/31

Available as TC supe (RRID:AB\_10673576) & Pure IgG (RRID:AB\_2249726)

#### Immunogen:

Synthetic peptide 13-37 (NSHMPYGYAAQARARERERLAHSR, intracellular N-terminus) of rat Kv1.4 (also known as Potassium voltage-gated channel subfamily A member 4, HPCN2, Voltage-gated K(+) channel HuKII or HBK4 or HK1, Kcna4, KCNA4L, RCK4, RHK1 and RK3, accession number P15385)

Mouse: 100% identity (24/24 amino acids identical)

Human: 100% identity (24/24 amino acids identical)

<50% identity with other Kv1 potassium channel subunits

#### Monoclonal antibody info:

Mouse strain: Balb/C

Myeloma cell: SP2/0

Mouse Ig Isotype: IgG1

#### NeuroMab Applications:

Immunoblot, Immunocytochemistry, Immunohistochemistry and Immunoprecipitation

Species Reactivity: rat, mouse, human

No cross-reactivity against Kv1.1, Kv1.2, Kv1.3, Kv1.5 or Kv1.6

MW: 98 kDa

Top: adult rat brain membrane immunoblot.

Bottom left: adult rat hippocampus immunohistochemistry.

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

