

Anti-Kv1.2 K⁺ Channel [K14/16] Bulk Size Ab02104-23.0-BT

Variable region sequences were determined by Dr. James Trimmer at the University of California, Davis, as supported by National Institutes of Health BRAIN Initiative award U24 NS109113.

This chimeric rabbit antibody was made using the variable domain sequences of the original Mouse IgG2b format for improved compatibility with existing reagents assays and techniques.

Isotype and Format: Rabbit IgG, Kappa

Clone Number: K14/16

Alternative Name(s) of Target: K14/16R; Potassium voltage-gated channel subfamily A member 2; KCNA2; NGK1; Voltage-gated K(+) channel; HuKIV; HBK5; NGK1; RAK, RBK2; RCK5; MK2

UniProt Accession Number of Target Protein: P16389

Published Application(s): IB, IP, IF, IHC

Published Species Reactivity: Rat, Xenopus, Zebrafish, Human, Mouse

Immunogen: This antibody was raised by immunising BALB/c mice with recombinant protein corresponding to amino acids 428-499 of human Kv1.2

Specificity: This antibody is specific for the Kv1.2 voltage-gated potassium channel. It has been shown not to cross-react with other Kv1 channels.

Application Notes: This antibody has been used in immunohistochemical analysis of Kv1.2 expression in sections of mouse sciatic nerves (Montani et al, 2018) and adult rat hippocampus (Andrews et al, 2019; PMID:30667360). This antibody has also been used in immunoblot analysis of membranes.

Antibody First Published in: Yang et al. Trafficking-dependent phosphorylation of Kv1.2 regulates voltage-gated potassium channel cell surface expression PNAS December 11, 2007 104 (50) 20055-20060
[PMID:18056633](#)

Note on publication: Describes the original use of this antibody in immunofluorescence and immunoblot analysis.

Product Form

Size: 1 mg Purified antibody in bulk size.

Purification: Protein A affinity purified

Supplied In: PBS only.

Storage Recommendation: Store at 4°C for up to 3 months. Note, this antibody is provided without

added preservatives, it is therefore recommended this antibody be handled under sterile conditions. For longer storage, aliquot and store at -20°C.

Concentration: 1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.