

Anti-Kvbeta2 K⁺ Channel [K17/70] Bulk Size Ab02105-6.1-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 rat antibody was made using the variable domain sequences of the original Mouse IgG1 format for improved compatibility with existing reagents assays and techniques.

Isotype and Format: Rat IgG1, Kappa

Clone Number: K17/70

Alternative Name(s) of Target: K17/70R; Potassium Channel Kv β 2; KCNAB2

UniProt Accession Number of Target Protein:

Published Application(s): IB, IP, IHC

Published Species Reactivity: Rat, Zebrafish, Human, Mouse

Immunogen: This antibody was raised by immunising BALB/c mice with a fusion protein consisting of full-length rat Kv β 2 (amino acids 1-367).

Specificity: This antibody is specific for the KvBeta2 potassium channel. It recognises an epitope within amino acids 17-22.

Application Notes: This antibody has been used in immunoblot analysis of membrane fractions of adult rat and mouse brain (Andrews et al, 2019; PMID:30667360). It has also been used in immunohistochemical analysis of adult rat hippocampus sections (Andrews et al, 2019; PMID:30667360).

Antibody First Published in: Andrews et al. A toolbox of IgG subclass-switched recombinant monoclonal antibodies for enhanced multiplex immunolabeling of brain Elife. 2019 Jan 22;8:e43322. [PMID:30667360](#)

Note on publication: Describes the generation of a recombinant version of this antibody.

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.