

Anti-Kv3.1b (Kcnc1)

Product #: APC-014
Current Lot #: AN-04
Host: Rabbit
Type: Polyclonal.

Epitope: peptide CKESPVIKYMPTAEVRVT, corresponding to residues 567-585 of rat Kv3.1b (Accession [P25122](#)).

Epitope location: Intracellular, C-terminus.

Homology with other species: dog - identical.

Reactivity Confirmed: rat, mouse, monkey, dog.

Identity of the peptide: confirmed by amino acid analysis.

Purity: Affinity purified on immobilized peptide.

Sample Sizes: 50 μ l or 0.2 ml after reconstitution of the lyophilized powder.

Storage before Reconstitution: Lyophilized powder can be stored intact at room temperature for several weeks. For longer periods, it should be stored at -20°C.

Reconstitution: 50 μ l or 0.2 ml deionized water, depending on the sample size.

Antibody Concentration after Reconstitution: 0.3 mg/ml

Buffer after Reconstitution: phosphate buffered saline (PBS), pH 7.4, 1% BSA, 5% sucrose, 0.025% NaN₃.

Storage after Reconstitution: the reconstituted solution can be stored at 4°C for up to 2 weeks. For longer periods, small aliquots should be stored at -20°C or below. Avoid multiple freezing and thawing. The further dilutions should be made using a carrier protein such as BSA (1%). Centrifuge **all** antibody preparations before use (10000 \times g 5 min).

Control Antigen Included.

Control Antigen Storage before Reconstitution: Lyophilized powder can be stored intact at room temperature for several weeks. For longer periods, it should be stored at -20°C.

Control Antigen Reconstitution: 100 μ l water.

Control Antigen Storage after Reconstitution: -20 °C.

Preadsorption Control: 1 μ g peptide per 1 μ g antibody.

Standard Quality Control of Each Lot: Western blotting.

Applications:

Western Blotting: Rat brain membranes (1:200)

Immunohistochemistry: Rat brain sections (see also 5,7).

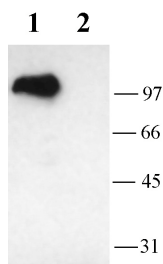
Immunoprecipitation.^{2,3}

For research purposes only, not for human use.

Last Update: June 16, 2002.

References using this antibody:

1. Gelband, C.H. *et al.* (1999) *Circ Res.* **84**, 352.
2. Sobko, A. *et al.* (1998) *J. Neurosci.* **18**, 10398.
3. Sobko, A *et al.* (1998) *EMBO J.* **17**, 4723
4. Gelband, C.H. *et al.* (1999) *Circ Res.* **84**, 352.
5. Hartig, W. *et al.* (1999) *Brain Res.* **842**, 15.
6. Osipenko, O.N. *et al.* (2000) *Circ Res.* **86**, 534.
7. Moss, F.J. *et al.* (2002) *The EMBO Journal* **21**, 1514.
8. Yue, L. *et al.* (2000) *J. Physiol.* **527.3** 467.



Western blotting of rat brain membranes:
1. Anti-Kv3.1b (1:200)
2. Anti-Kv3.1b, preincubated with the control peptide antigen.