

Anti-Kv3.2 (Kcnc2)

Product #: APC-011
Current Lot #: AN-04
Host: Rabbit.
Type: Polyclonal.

Epitope: Peptide DLGGKRLGIEDAAGLGGPDGK(C), corresponding to residues 184-204 of rat Kv3.2 (Accession [P22462](#)).

Epitope location: Intracellular, N-terminal part.

Homology with other species: Human - 19/21 residues identical (based on ESTs).

Reactivity Confirmed: Rat.

Identity of a peptide: Confirmed by amino acid analysis.

Purity: Affinity purified on immobilized antigen.

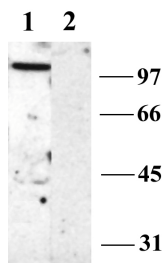
Sample Sizes: 50 µl or 0.2 ml after reconstitution of the lyophilized powder.

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 µl 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.



Western blotting of rat brain membranes:

1. Anti-Kv3.2 antibody, 1:200
2. Anti-Kv3.2 antibody, preincubated with the control peptide antigen.

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 × 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 µl water.

Control Antigen Storage after Reconstitution: -20°C.

Preadsorption Control: 1 µg peptide per 1 µg antibody.

Standard Quality Control of Each Lot: Western blotting.

Applications:

Western Blotting: Rat brain membranes (1:200)

Immunohistochemistry: Rat brain sections.

For research purposes only, not for human use.

Last Update: December 9, 2007.

References using this antibody:

1. Sobko, A. *et al.* (1998) *J. Neurosci.* **18**, 10398.
2. Xu, C. *et al.* (1999) *Am. J. Physiol.* **277**, G1055.
3. Deuchars, S.A. *et al.* (2001) *Neuroscience* **106**, 433.
4. Ishikawa, T. *et al.* (2003) *J. Neurosci.* **23**, 10445.
5. Lewis, A. *et al.* (2004) *J. Biol. Chem.* **279**, 7884.
6. Shevchenko, T. *et al.* (2004) *J. Neurophysiol.* **92**, 3043.
7. Brooke, R.E. *et al.* (2004) *Eur. J. Neuroscience* **20**, 3313.
8. Yan, L. *et al.* (2004) *Diabetes* **53**, 597.
9. Itri, J.N. *et al.* (2005) *Nature Neurosci.* **8**, 650.
10. Xia, F. *et al.* (2007) *Endocrinol.* **148**, 2157.