

Anti-K_v3.3 (KNC3)

Product #: APC-102
Current Lot #: AN-02
Host: Rabbit.
Type: Polyclonal.

Epitope: Peptide KSPITPGSRGRYSRDRAC corresponding to residues 701-718 of rat K_v3.3 (Accession [Q01956](#)).

Putative epitope location: Intracellular, C-Terminus.

Homology with other species: Human, mouse-identical.

Antibody specificity: Recognizes only splice variant K_v3.3 -1.

Reactivity confirmed: Rat, mouse.

Identity of a peptide: Confirmed by mass-spectrography and 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: 0.8 mg/ml

Buffer after reconstitution: Phosphate buffered saline (PBS), pH 7.4, 1% BSA, 0.05% 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 × 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).

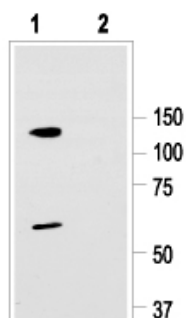
Immunohistochemistry: Rat and mouse brain sections.

For research purposes only, not for human use.

Last Update: May 9, 2006.

References using this antibody:

1. Shevchenko, T. *et al.* (2004) *J. Neurophysiol.* **92**, 3043.
2. Brooke, R.E. *et al.* (2004) *Eur. J. Neuroscience* **20**, 3313.



Western blotting of rat brain membranes:

1. Anti-K_v3.3 antibody (1:200).
2. Anti-K_v3.3 antibody, preincubated with the control peptide antigen.