

ANTI-Kv3.4

(*Raw3, KSHIIC, Kcnc4*)

Product #: APC-019
Current Lot #: AN-01; AN-02
Host: Rabbit
Type: Polyclonal.

Epitope: peptide EAGDD ERELA LQRLG PHEG(C), corresponding to residues 177-195 of rat Kv3.4 (Accession [Q63734](#)).

Epitope location: Intracellular, N-terminal part.

Homology with other species: human - identical.

Reactivity Confirmed: rat.

Identity of a peptide: confirmed by mass-spectrography and amino acid analysis.

Purity: affinity purified on immobilized antigen.

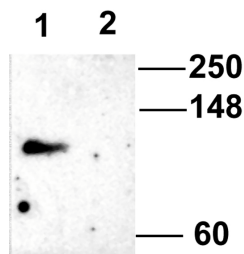
Sample Sizes: 50 μ l or 0.2 ml after reconstitution of the lyophilized powder.

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.



Western blotting of rat brain membranes:

1. Anti-Kv3.4 (1:200)
2. Anti-Kv3.4, 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 \times g 5 min).

Control Antigen Included: 20 μ g of lyophilized peptide.

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.

For research purposes only, not for human use.

Last Update: April 3, 2001.

References using this antibody:

1. Gopel, S.O. *et al.* (2000) *J. Physiol.* 528.3 497.