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Molecular Tools for the Life Science Community

Certificate of Analysis

Anti-K_V4.3

(Voltage-gated K^+ channel subfamily D member 3, Kcnd3)

Product #: APC-017
Current Lot #: AN-07, AN-08, AN-09.
Host: Rabbit.
Type: Polyclonal.

Epitope Peptide (C)NEALELTGTPEEEHMGK, corresponding to residues 451-468 of human Kv4.3 (Accession O60577).

Epitope location: Intracellular, C-terminal part.

Homology with other species: Rat, rabbit - identical; mouse - 16/17 residues 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 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, 0.025% NaN_3.

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 ºC.

Preadsorption Control: 1 µg peptide per 1 µg antibody.

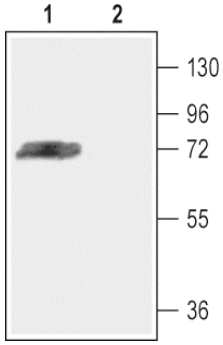
Standard Quality Control of Each Lot: Western blotting.

Applications:
Western Blotting: Rat brain membranes (1:200).

Immunohistochemistry: Rat brain sections.

For research purposes only, not for human use.

Last Update: November 9, 2008.



Western blotting of rat brain membranes:
1. Anti-Kv4.3 antibody (1:200)
2. Anti-Kv4.3 antibody, preincubated with the control peptide antigen.

References using this antibody:

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