

Anti-K_vβ₂

(Voltage-gated K⁺ channel β subunit 2, KCNAB2)

Product #: APC-117
Current Lot #: AN-01
Host: Rabbit
Type: Polyclonal.

Epitope: Peptide SPGMIYSTRYGSPKR(C), corresponding to amino acid residues 20- 34 of rat K_vβ₂ (Accession [P62483](#)).

Epitope location: N-terminal part.

Homology with other species: Mouse, human, rabbit- identical.

Reactivity Confirmed: Rat, human, mouse.

Identity of the 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% 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. 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.

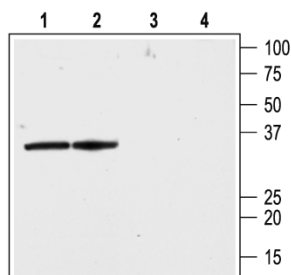
Applications:

Western Blotting: Rat brain and Jurkat (a human T cell leukemia line) cells 1:200- 1:400.

Immunohistochemistry: Mouse brain sections.

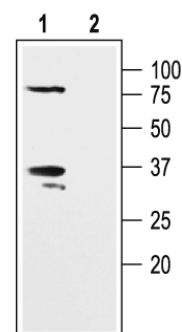
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Last Update: June 27, 2006.



Western blotting of rat brain lysate (lanes 1 and 3) and membranes (lanes 2 and 4):

- 1, 2. Anti-K_vβ₂ antibody (1:200).
- 3, 4. Anti-K_vβ₂ antibody, preincubated with the control peptide antigen.



Western blotting of human Jurkat T cells:

1. Anti-K_vβ₂ antibody (1:200).
2. Anti-K_vβ₂ antibody, preincubated with the control peptide antigen.