

Anti-Kir3.1 (GIRK1)

(*GIRK1, Kcnj3*)

Product #: APC-005

Current Lot #: AN-08, AN-09

Host: Rabbit.

Type: Polyclonal.

Epitope: GST fusion protein with sequence LQRI SSVPG NSEEK LVSKT TKMLS DPMSQ SVADL PPKLQ KMAGG PTRME GNLPA KLRKM NSDRF T, corresponding to residues 437-501 of mouse Kir3.1 (Accession [P35562](#)).

Epitope location: Intracellular, C-terminus.

Homology with other species: Rat - identical; human, guinea pig, chicken - respectively, 64/66, 63/66, and 59/66 residues identical.

Reactivity Confirmed: Rat, mouse.

Identity of a fusion protein: Confirmed by DNA sequence and SDS-PAGE.

Purity: The serum was depleted of anti-GST antibodies by affinity chromatography on immobilized GST, and then the antibody was affinity purified on immobilized GIRK1-GST.

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: 0.6 mg/ml.

Buffer after Reconstitution: Phosphate buffered saline (PBS), pH 7.4, 1% BSA, 5% sucrose, 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. 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: Lyophilized fusion protein (MW 34 kDa).

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 PBS.

Control Antigen Storage after Reconstitution: -20 °C.

PreadSORption Control: 3 μ g fusion protein per 1 μ g antibody.

Positive control in Western blotting: 20 ng fusion protein/Minigel lane.

Standard Quality Control of Each Lot: Western blotting.

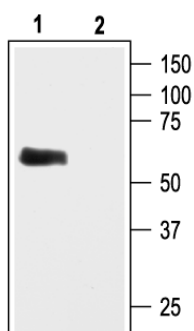
Applications:

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

Immunohistochemistry: Rat brain sections (see also 2-4).

For research purposes only, not for human use.

Last Update: July 12, 2007.



Western blotting of rat brain membranes:

1. Anti-Kir3.1 (GIRK1) (1:200)
2. Anti-Kir3.1 (GIRK1), preincubated with the control antigen.

References using this antibody:

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12. Ehrlich, J. R. *et al.* (2004) *J. Physiol.* **557.2**, 583.
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