

Anti-K_{ir}1.1 (ROMK1)

(Inwardly rectifying K⁺ channel 1, *Kcnj1*)

Product #: APC-001
Current Lot #: AN-12, AN-13.
Host: Rabbit.
Type: Polyclonal.

Epitope: GST fusion protein with sequence HNFGKTVEVETPH CAMCLYNEKDARARMKRGYDNPFLSEVDET DDTQM, corresponding to amino acids 342-391 of rat K_{ir}1.1 (Accession [P35560](#)).

Epitope location: Intracellular, C-terminus.

Homology with other species: Mouse - identical, human - 45/50 residues identical.

Homology with different splice forms: 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 K_{ir}1.1-GST.

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. 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: Lyophilized fusion protein (Mw 33 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 µl PBS.

Control Antigen Storage after Reconstitution: -20 °C.

PreadSORption Control: 3 µg fusion protein per 1 µg antibody.

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

Standard Quality Control of Each Lot: Western blotting.

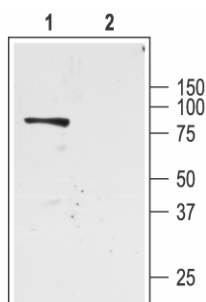
Applications:

Western Blotting: Rat kidney membranes (1:200-1:400).

Immunohistochemistry: Rat kidney sections (see also 2).

For research purposes only, not for human use.

Last Update: June 8, 2009.



Western blotting of rat kidney membranes:

1. Anti- K_{ir}1.1 (1:200).
2. Anti- K_{ir}1.1, preincubated with the control antigen.

References using this antibody:

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