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Molecular Tools for the Life Science Community

## Certificate of Analysis

### Anti-K<sub>ir</sub>3.2 (GIRK2)

(G protein-activated inward rectifier potassium channel 2, Kir3.2, Kcnj6)

**Product #:** APC-006

**Current Lot #:** AN-05, AN-06, AN-07, AN-08

**Host:** Rabbit.

**Type:** Polyclonal.

**Epitope:** GST fusion protein with sequence ELANRAEVPLSWSVS SKLNQHAELETEEEKLNPEELTERNG, corresponding to residues 374-414 of mouse Kir3.2 (Accession [P48542](#))

**Epitope location:** Intracellular, C-terminal part.

**Homology with other species:** Rat, golden hamster, human - respectively, 40/41, 39/41, and 37/41 residues identical.

**Reactivity Confirmed:** Rat, mouse, human.

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

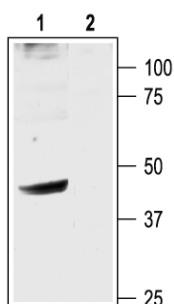
**Purity:** The serum was depleted of anti-GST antibodies by affinity chromatography on immobilized GST, and then the antibody was affinity purified on immobilized K<sub>ir</sub>3.2-GST.

**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.



Western blotting of rat brain membranes:

1. Anti-K<sub>ir</sub>3.2 (GIRK2) (1:200)
2. Anti-K<sub>ir</sub>3.2 (GIRK2), preincubated with the control antigen.

**Buffer after Reconstitution:** Phosphate buffered saline (PBS), pH 7.4, 1% BSA, 0.025% Na<sub>3</sub>.

**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:** 120 µg of lyophilized fusion protein (MW 31 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 brain membranes (1:200).

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

**For research purposes only, not for human use.**

**Last Update:** April 1, 2007.

**References using this antibody:**

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