

Anti-K_{ir}2.3

(IRK3, BIR11, Kcnj4)

Product #: APC-032
Current Lot #: AN-01.
Host: Rabbit.
Type: Polyclonal.

Epitope: peptide (C)EFGS HLDLE RMQAA TLPLD N, corresponding to amino acid residues 418-437 of rat Kir2.3 (Accession [P52190](#)).

Epitope location: Intracellular, C-terminal part.

Homology with other species: mouse - identical; guinea pig - 19/20 residues identical; hamster, human, *Xenopus* - 18/20 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: 0.3 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 × 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.

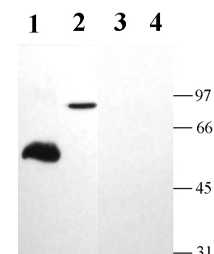
Applications:

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

Immunohistochemistry: Rat brain sections.

For research purposes only, not for human use.

Last Update: May 10, 2002



Western blotting of rat brain (1,3) or kidney (2,4) membranes:

1. Anti-Kir2.3 antibody (1:200)
2. Anti-Kir2.3, antibody, preincubated with the control peptide antigen.