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Molecular Tools for the Life Science Community

Certificate of Analysis

Anti-K_{ir}2.1

(IRK1, Kcnj2)

Product #: APC-026
Current Lot #: AN-08, AN-09, AN-10
Host: Rabbit.
Type: Polyclonal.

Epitope: peptide (C)NGVP ESTST DTPPD IDLHN, corresponding to amino acid residues 392-410 of human Kir2.1 (Accession P48049).

Epitope location: Intracellular, C-terminal part.

Homology with other species: rabbit, bovine, pig, guinea pig - identical; rat, mouse - 17/19 residues identical; chicken - 15/19 residues identical; pigeon - 14/18 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: 0.6 mg/ml.

Buffer after Reconstitution: phosphate buffered saline (PBS) pH 7.4, 1% BSA , 0.025% NaN_3.

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 ºC.

Preadsorption Control: 1 µg peptide per 1 µg antibody.

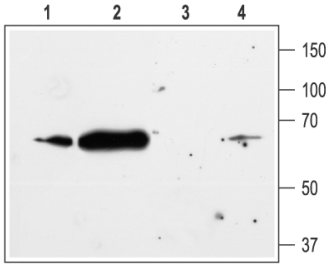
Standard Quality Control of Each Lot: Western blotting.

Applications:
Western Blotting: Rat brain and rat heart membranes (1:200).
Note: Addition of 0.1% Tween to the standard Milk Block is recommended with this lot.

Immunohistochemistry: Rat heart sections.

For research purposes only, not for human use.

Last Update: March 2, 2009.



Western blotting of rat heart (1 and 3) and rat brain (2 and 4) membranes:
1, 2. Anti-Kir2.1 antibody (1:200)
3, 4. Anti-Kir2.1, antibody, preincubated with the control peptide antigen.

References using this antibody:

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