

Anti-KCNE1 (IsK) (MinK)

Product #: APC-008
Current Lot #: AN-08.
Host: Rabbit.
Type: Polyclonal.

Epitope: GST fusion protein with a sequence RSKKLEHSNDPFNVY IESDAWQEKD KAYVQARVLESYRSCYVVENHLAIEQPNTLHPETK PSP, corresponding to residues 67-129 of human IsK (Accession [P15382](#)).

Epitope location: Intracellular, C-terminus.

Homology with other species: Cat, mouse, rat, rabbit, pig, guinea pig - respectively, 50/61, 49/61, 49/61, 47/62, 48/61, and 46/58 residues identical.

Reactivity Confirmed: Rat, human.

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

Purity: The antibody was affinity purified on immobilized IsK-His.

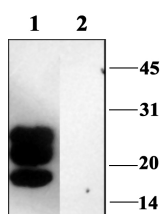
Sample Sizes: 50 μ l or 0.2 ml after reconstitution of the lyophilized powder.

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, 0.025% NaN₃.



Western blotting of IsK-expressing Sf9 cells

1. Anti-IsK, 1:200.
2. Anti-IsK, preincubated with the control fusion protein.

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: 120 μ g of lyophilized fusion protein (Mw 35 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:

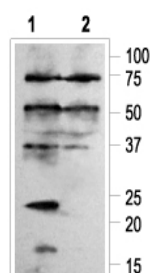
Western Blotting: Rat heart membranes (1:200-1:400); IsK-expressing Sf9 cells (1:200-1:1000).

References using this antibody:

1. Sage, C. L. *et al.* (2002) *Membrane Biology*. **185**, 103.
2. Han, W. *et al.* (2002) *Circ. Res.* **91**, 790.
3. Melnyk, P. *et al.* (2005) *Cardiovasc. Res.* **65**, 104.
4. Szentadrassy, N. *et al.* (2005) *Cardiovasc. Res.* **65**, 851.

For research purposes only, not for human use.

Last Update: May 15, 2008.



Western blotting of rat heart membranes

1. Anti-IsK, 1:200.
2. Anti-IsK, preincubated with the control fusion protein.