

Anti-Kv1.7

(Voltage gated K⁺ channel Kv1.7, KCNA7)

Product #: APC-063

Current Lot #: AN-01

Host: Rabbit.

Type: Polyclonal.

Epitope: Peptide TTRKAQEIHGKAPG (C) corresponding to residues 2-15 of mouse Kv1.7 (Accession [O70259](#)).

Epitope location: Intracellular, N-terminus.

Homology with other species: The antibody won't recognize human Kv1.7.

Reactivity confirmed: Mouse.

Identity of the 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: 0.8 mg/ml.

Buffer after reconstitution: Phosphate buffered saline (PBS), pH 7.4, 1% BSA, 0.05% 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 reconstitution: 100 µl water.

Control antigen storage after reconstitution: -20 °C.

Preadsorption Control: 1 µg peptide per 1 µg antibody.

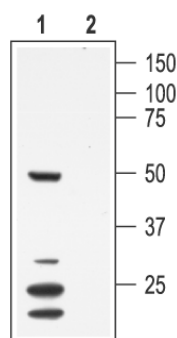
Standard quality control of each Lot: Western blotting.

Applications:

Western Blotting: Mouse heart membranes (1:200).

For research purposes only, not for human use.

Last Update: August 22, 2005.



Western blotting of mouse heart membranes:

1. Anti-Kv1.7 antibody (1:200).
2. Anti-Kv1.7 antibody, preincubated with the control peptide antigen