

## Anti-Kv1.3 (Kcna3)

**Product #:** APC-002

**Current Lot #:** AN-04, AN-05, AN-06.

**Host:** Rabbit.

**Type:** Polyclonal.

**Epitope:** GST fusion protein with sequence TLSKS EYMVI EEGGM NHSAF PQTPF KTGNS TATCT TNNNP NSCVN IKKIF TDV, corresponding to residues 523-575 of human Kv1.3 (Accession [P22001](#)).

**Epitope location:** Intracellular, C-terminus.

**Homology with other species:** rat, rabbit, mouse - identical.

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

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

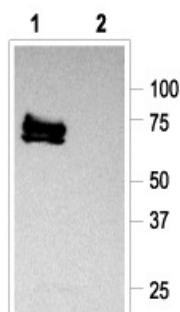
**Purity:** the serum was depleted of anti-GST antibodies by affinity chromatography on immobilized GST and from antibodies cross-reactive to other Kv1 by affinity chromatography on immobilized Kv1.1-GST-fusion protein. The antibody was then affinity purified on immobilized Kv1.3-GST.

**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:**  
0.6 mg/ml.



Western blotting of rat brain membranes:

1. Anti-Kv1.3 (1:200)
2. Anti-Kv1.3, preincubated with the control antigen.

**Buffer after Reconstitution:** phosphate buffered saline (PBS), pH 7.4, 1% BSA, 5% sucrose, 0.025% NaN<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.**

**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:** September 7, 2009.

**References using this antibody:**

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