

Anti-K_v12.1 (Elk1)

(Voltage gated K⁺ channel subfamily H member 8, KCNH8, ether-a-go-go like K⁺ channel 3)

Product #: APC-113

Current Lot #: AN-01, AN-02

Host: Rabbit.

Type: Polyclonal.

Epitope: Peptide EDKKEDRAKGRSRAG(C), corresponding to amino acid residues 143-157 of rat K_v12.1 (Accession [Q9QWS8](#)).

Epitope location: Intracellular, N-terminal part.

Homology with other species: Mouse-14 out of 15, human-13 out of 15 residues identical.

Reactivity Confirmed: Rat.

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, 0.025% 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. 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.

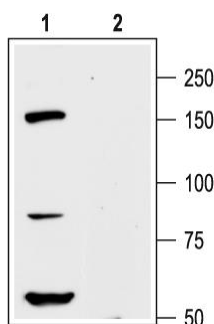
Standard Quality Control of Each Lot: Western blotting.

Applications:

Western blotting: Rat cortex lysate.

For research purposes only, not for human use.

Last Update: October 7, 2007.



Western blotting of rat cortex lysate:

1. Anti- K_v12.1 (Elk1) antibody (1:200).
2. Anti- K_v12.1 (Elk1) antibody, preincubated with the control peptide antigen.