

## Anti-KCNA2 (Potassium voltage-gated channel subfamily A member 2) Polyclonal Antibody

Cat. #: 60B302

### Description:

KCNA2(Potassium voltage-gated channel subfamily A member 2) mediates the voltage-dependent potassium ion permeability of excitable membranes. Assuming opened or closed conformations in response to the voltage difference across the membrane, the protein forms a potassium-selective channel through which K(+) ions may pass in accordance with their electrochemical gradient. KCNA2 binds PDZ domains of DLG1, DLG2 and DLG4. The N-terminus may be important in determining the rate of inactivation of the channel while the tail may play a role in modulation of channel activity and/or targeting of the channel to specific subcellular compartments. The segment S4 is probably the voltage-sensor and is characterized by a series of positively charged amino acids at every third position.

### Immunogen/Specificity:

Polyclonal antibody produced in rabbits immunizing with a synthetic peptide corresponding to C-terminal residues of mouse Potassium channel Kv1.2 (Potassium voltage-gated channel subfamily A member 2)

### References

Ribera,A.B., Neuron 5 (5), 691-701 (1990)  
McKinnon,D., J. Biol. Chem. 264 (14), 8230-8236 (1989)  
Stuhmer,W., et al, EMBO J. 8 (11), 3235-3244 (1989)  
Paulmichl,M., et al, Proc. Natl. Acad. Sci. U.S.A. 88 (17), 7892-7895 (1991)  
Kim,E., et al, Nature 378 (6552), 85-88 (1995)  
Minor,D.L., et al, Cell 102 (5), 657-670 (2000)

Species: mouse, rat, human

Storage and Stability: at -20oC

### Storage buffer:

This antibody is stored in PBS, 0.01% sodium azide and 50% glycerol.

### Preparation:

Purified by antigen-specific affinity chromatography.

### Applications :

ELISA

Western Blotting (1µg/ml for 2hrs)