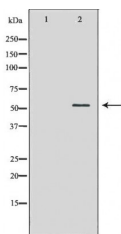


KCNA1 Ab

[Images\(1\)](#)

| | | |
|---------------|---|-----------------------|
| Cat.#: DF7138 | Concn.: ~1mg/ml | Mol.Wt.: 56kDa |
| Size: | Source: Rabbit | Clonality: Polyclonal |
| Application: | WB 1:500-1:2000, IHC 1:50-1:100, IF/ICC 1:100-1:500 *The optimal dilutions should be determined by the end user. | |
| Reactivity: | Human, Mouse, Rat | |
| Storage: | Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at -20 °C. Stable for 12 months from date of receipt. | |
| Purification: | The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific). | |
| Immunogen: | A synthesized peptide derived from human KCNA1, corresponding to a region within C-terminal amino acids. | |
| Uniprot: | Q09470 | |
| Description: | This gene encodes a voltage-gated delayed potassium channel that is phylogenetically related to the Drosophila Shaker channel. The encoded protein has six putative transmembrane segments (S1-S6), and the loop between S5 and S6 forms the pore and contains the conserved selectivity filter motif (GYGD). The functional channel is a homotetramer. The N-terminus of the channel is associated with beta subunits that can modify the inactivation properties of the channel as well as affect expression levels. The C-terminus of the channel is complexed to a PDZ domain protein that is responsible for channel targeting. Mutations in this gene have been associated with myokymia with periodic ataxia (AEMK). | |



Western blot analysis of extracts from U251, using KCNA1 Ab. The lane on the left was treated with the antigen-specific peptide.

IMPORTANT: For western blot, incubate membrane with diluted primary Ab in 5% w/v milk, 1X TBS, 0.1% Tween@20 at 4°C with gentle shaking, overnight.