Anti-Human/Mouse/Rat KCNA10 Polyclonal Antibody

Polyclonal Antibody

Cat.NO.: PA04323

3th Edition

Description:KCNA10 (Potassium Voltage-Gated Channel Subfamily A Member 10) is a Protein Coding gene. Among its related pathways are Potassium Channels and Transmission across Chemical Synapses. GO annotations related to this gene include ion channel activity and intracellular cyclic nucleotide activated cation channel activity. An important paralog of this gene is KCNA4.Potassium channels represent the most complex class of voltage-gated ion channels from both functional and structural standpoints. Their diverse functions include regulating neurotransmitter release, heart rate, insulin secretion, neuronal excitability, epithelial electrolyte transport, smooth muscle contraction, and cell volume. Four sequence-related potassium channel genes - shaker, shaw, shab, and shal - have been identified in Drosophila, and each has been shown to have human homolog(s). This gene encodes a member of the potassium channel, voltage-gated, shaker-related subfamily. This member contains six membrane-spanning domains with a shaker-type repeat in the fourth segment. It is specifically regulated by cGMP and postulated to mediate the effects of substances that increase intracellular cGMP. This gene is intronless, and the gene is clustered with genes KCNA2 and KCNA3 on chromosome 1.

Antigen: Synthetic Peptide

Form:

How to use:1.0 ml distilled water will be added to the product

Stability: Lyophilized product, 5 years at 2 – 8°C; Solution, 2 years at –20°C

Dilution:PBS (pH7.4) containing 1% BSA

Application: This antibody can be used for western blotting in concentration of 1?5?g/ml.

Specificity: Detected in kidney, in proximal tubules, glomerular endothelium, in vascular endothelium and in smooth muscle cells.