

KCNA10 Polyclonal Antibody

Catalog Number:E-AB-17934



Note: Centrifuge before opening to ensure complete recovery of vial contents.

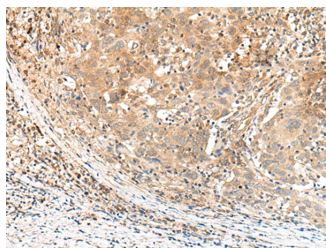
Description

Reactivity	Human, Mouse
Immunogen	Synthetic peptide of human KCNA10
Host	Rabbit
Isotype	IgG
Purification	Antigen affinity purification
Conjugation	Unconjugated
Formulation	PBS with 0.05% NaN ₃ and 40% Glycerol,pH7.4

Applications Recommended Dilution

IHC	1:30-1:150
ELISA	1:5000-1:10000

Data



Immunohistochemistry of paraffin-embedded Human cervical cancer tissue using KCNA10 Polyclonal Antibody at dilution of 1:40(×200)

Preparation & Storage

Storage	Store at -20°C. Avoid freeze / thaw cycles.
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Background

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.

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