BT LAB
Bioassay Technology Laboratory
Optimize Your Research

KV1.5 Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP10789
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from human KCNA5. AA range:253-302
Mol wt	67228
Species reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Recommended application	WB, ELISA
Concentration	1 mg/ml
Full name	Potassium voltage-gated channel subfamily A member 5
Synonyms	Potassium voltage-gated channel subfamily A member 5; KCNA5; Potassium voltage-gated channel subfamily A member 5; HPCN1; Voltage-gated potassium channel HK2; Voltage-gated potassium channel subunit Kv1.5

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

Potassium channels represent the most complex class of voltage-gated ino 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 belongs to the delayed rectifier class, the function of which could restore the resting membrane potential of beta cells after depolarization and thereby contribute to the regulation of

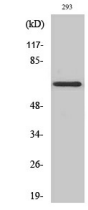
Recommended Dilution

WB: 1: 500 - 1: 2000

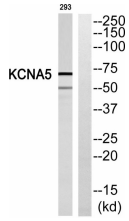
ELISA: 1: 40000

Not yet tested in other applications.

Images



Western Blot analysis of various cells using KV1.5 Polyclonal Antibody diluted at 1:500



Western blot analysis of KCNA5 Antibody. The lane on the right is blocked with the KCNA5 peptide.

Storage

-20°C for 1 year

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