

Kv1.5 Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP10788
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	Synthetic Peptide of Kv1.5
Mol wt	N/A
Species reactivity	Human
Clonality	Polyclonal
Recommended application	WB
Concentration	1 mg/ml
Full name	Potassium voltage-gated channel subfamily A member 5
Synonyms	Potassium voltage-gated channel subfamily A member 5 ;HPCN1;Voltage-gated potassium channel HK2;Voltage-gated potassium channel subunit Kv1.5; 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 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 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

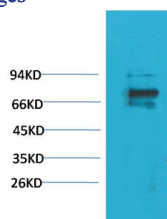
Recommended Dilution

WB: 1: 1000 - 1: 2000

ELISA: 1: 20000

Not yet tested in other applications.

Images



Western blot analysis of 293T with KV1.5 Rabbit pAb diluted at 1:2,000.

Storage

-20°C for 1 year

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