BT LAB
Bioassay Technology Laboratory
Optimize Your Research

KCNQ1 Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP10652
Host	Rabbit
Isotype	IgG
Size	100ul, 50ul, 20ul
Immunogen	Synthesized peptide derived from human protein . at AA range: 350-430
Mol wt	N/A
Species reactivity	Human, Rat, Mouse
Clonality	Polyclonal
Recommended application	WB, ELISA
Concentration	1 mg/ml
Full name	Potassium voltage-gated channel subfamily KQT member 1
Synonyms	Potassium voltage-gated channel subfamily KQT member 1 ;IKs producing slow voltage-gated potassium channel subunit alpha KvLQT1;KQT-like 1;Voltage-gated potassium channel subunit Kv7.1

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

Background

This gene encodes a voltage-gated potassium channel required for repolarization phase of the cardiac action potential. This protein can form heteromultimers with two other potassium channel proteins, KCNE1 and KCNE3. Mutations in this gene are associated with hereditary long QT syndrome 1 (also known as Romano-Ward syndrome), Jervell and Lange-Nielsen syndrome, and familial atrial fibrillation. This gene exhibits tissue-specific imprinting, with preferential expression from the maternal allele in some tissues, and biallelic expression in others. This gene is located in a region of chromosome 11 amongst other imprinted genes that are associated with Beckwith-Wiedemann syndrome (BWS), and itself has been shown to be disrupted by chromosomal rearrangements in patients with BWS. Alternatively spliced transcript variants have been found for this gene.

Recommended Dilution

WB: 1: 500 - 1: 2000

ELISA: 1: 5000 - 1: 20000

Not yet tested in other applications.

Images

No images.

Storage

-20°C for 1 year

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