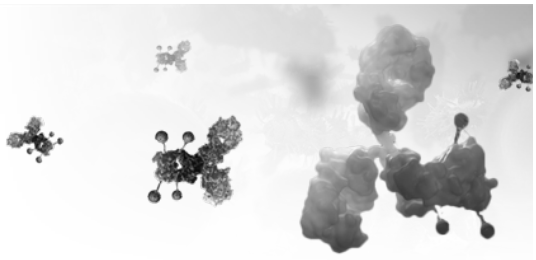

Mouse anti-Human KCNQ1 monoclonal antibody, clone 6F23 (CABT-B9461)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Immunogen	Purified recombinant fragment of human KCNQ1 expressed in E. Coli.
Isotype	IgG2b
Source/Host	Mouse
Species Reactivity	Human
Clone	6F23
Conjugate	Unconjugated
Applications	FC, WB
Format	Liquid
Size	100 µl
Buffer	ascites
Preservative	0.03% sodium azide
Storage	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

BACKGROUND

Introduction	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

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	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. [provided by RefSeq, Aug 2011]
Keywords	KCNQ1; potassium channel, voltage gated KQT-like subfamily Q, member 1; LQT; RWS; WRS; LQT1; SQT2; ATFB1; ATFB3; JLNS1; KCNA8; KCNA9; Kv1.9; Kv7.1; KVLQT1; potassium voltage-gated channel subfamily KQT member 1; slow delayed rectifier channel subunit; voltage-gated potassium channel subunit Kv7.1; kidney and cardiac voltage dependend K+ channel; potassium voltage-gated channel, KQT-like subfamily, member 1; IKs producing slow voltage-gated potassium channel subunit alpha KvLQT1;

GENE INFORMATION

Entrez Gene ID	3784
UniProt ID	P51787

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