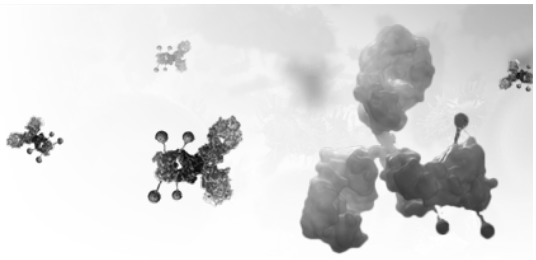

Mouse anti-Human KCNJ5 monoclonal antibody, clone 9E3 (CABT-B10504)

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

PRODUCT INFORMATION

Immunogen	KCNJ5 (NP_000881.3, 321 a.a. ~ 419 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Isotype	IgG2a
Source/Host	Mouse
Species Reactivity	Human
Clone	9E3
Conjugate	Unconjugated
Applications	WB, WB, sELISA, ELISA
Sequence Similarities	SYMDTEVLWGHRFTPVLTLEKGFYEVDYNTFHDTYETNTPSCCAKELAEMKREGRLLQYL PSPPLLGGCAEAGLDAEAEQNEEDEPKGLGGSREARGSV
Format	Liquid
Buffer	In 1x PBS, pH 7.4
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

BACKGROUND

Introduction	Potassium channels are present in most mammalian cells, where they participate in a wide range of physiologic responses. The protein encoded by this gene is an integral membrane protein and inward-rectifier type potassium channel. The encoded protein, which has a greater

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221

	tendency to allow potassium to flow into a cell rather than out of a cell, is controlled by G-proteins. It may associate with two other G-protein-activated potassium channels to form a heteromultimeric pore-forming complex. [provided by RefSeq, Jul 2008]
Keywords	KCNJ5; potassium channel, inwardly rectifying subfamily J, member 5; CIR; GIRK4; KATP1; LQT13; KIR3.4; G protein-activated inward rectifier potassium channel 4; IRK-4; heart KATP channel; inward rectifier K+ channel KIR3.4; cardiac ATP-sensitive potassium channel; potassium inwardly-rectifying channel, subfamily J, member 5;

GENE INFORMATION

Entrez Gene ID	3762
UniProt ID	P48544
Pathway	Activation of G protein gated Potassium channels, organism-specific biosystem; Activation of GABAB receptors, organism-specific biosystem; Calcium Regulation in the Cardiac Cell, organism-specific biosystem; Dopaminergic synapse, organism-specific biosystem; Dopaminergic synapse, conserved biosystem; G protein gated Potassium channels, organism-specific biosystem; GABA B receptor activation, organism-specific biosystem;
Function	G-protein activated inward rectifier potassium channel activity; contributes_to inward rectifier potassium channel activity; protein binding; voltage-gated ion channel activity;

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