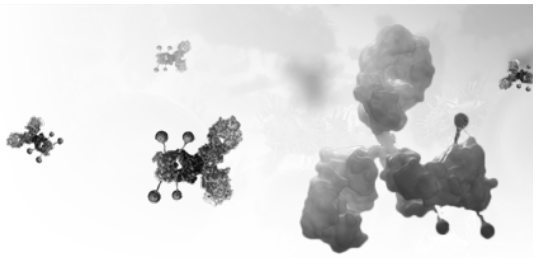

Mouse anti-Human KCNG3 monoclonal antibody, clone 6I3 (CABT-B10497)

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

PRODUCT INFORMATION

Immunogen	KCNG3 (NP_579875, 23 a.a. ~ 122 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	6I3
Conjugate	Unconjugated
Applications	sELISA,ELISA
Sequence Similarities	SRELLKDFPLRRVSRLHGCRSERDVLEVCDDYDRERNEYFFDRHSEAFGFILLYVRGHGK LRFAPRMCELSFYNEMIYWGLEGAHLEYCCQRRLDDRMS*
Format	Liquid
Size	100 µg
Buffer	In 1x PBS, pH 7.2
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

BACKGROUND

Introduction	Voltage-gated potassium (Kv) channels represent the most complex class of voltage-gated ion channels from both functional and structural standpoints. Their diverse functions include

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	regulating neurotransmitter release, heart rate, insulin secretion, neuronal excitability, epithelial electrolyte transport, smooth muscle contraction, and cell volume. This gene encodes a member of the potassium channel, voltage-gated, subfamily G. This member is a gamma subunit functioning as a modulatory molecule. Alternative splicing results in two transcript variants encoding distinct isoforms. [provided by RefSeq, Jul 2008]
Keywords	KCNG3; potassium channel, voltage gated modifier subfamily G, member 3; KV6.3; KV10.1; potassium voltage-gated channel subfamily G member 3; voltage-gated potassium channel 6.3; voltage-gated potassium channel Kv10.1; voltage-gated potassium channel subunit Kv6.3; voltage-gated potassium channel subunit Kv6.4; voltage-gated potassium channel subunit Kv10.1; potassium voltage-gated channel, subfamily G, member 3;

GENE INFORMATION

Entrez Gene ID	170850
UniProt ID	Q8TAE7
Pathway	Potassium Channels, organism-specific biosystem; Synaptic Transmission, organism-specific biosystem; Voltage gated Potassium channels, organism-specific biosystem
Function	protein binding; voltage-gated ion channel activity; voltage-gated potassium channel activity

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