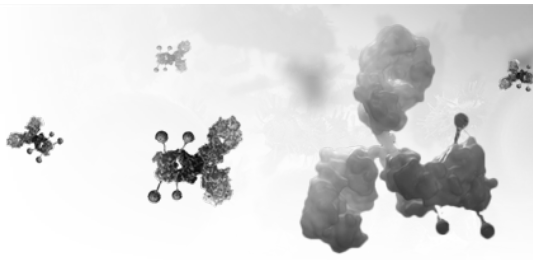

Mouse anti-Human KCNQ5 monoclonal antibody, clone 3F3 (CABT-B10508)

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

PRODUCT INFORMATION

Immunogen	KCNQ5 (NP_062816, 833 a.a. ~ 933 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	3F3
Conjugate	Unconjugated
Applications	WB,sELISA,ELISA
Sequence Similarities	QNLIRSTEELNIQLSGSESSGSRGSQDFYPKWRESKLFITDEEVGPEETETDTFDAAPQP AREAAFASDSLRTGRSRSSQSICKAGESTDALSLPHVKLK*
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	This gene is a member of the KCNQ potassium channel gene family that is differentially expressed in subregions of the brain and in skeletal muscle. The protein encoded by this gene

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

	yields currents that activate slowly with depolarization and can form heteromeric channels with the protein encoded by the KCNQ3 gene. Currents expressed from this protein have voltage dependences and inhibitor sensitivities in common with M-currents. They are also inhibited by M1 muscarinic receptor activation. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, May 2009]
Keywords	KCNQ5; potassium channel, voltage gated KQT-like subfamily Q, member 5; Kv7.5; potassium voltage-gated channel subfamily KQT member 5; KQT-like 5; potassium channel protein; potassium channel subunit alpha KvLQT5; voltage-gated potassium channel subunit Kv7.5; potassium voltage-gated channel, KQT-like subfamily, member 5;

GENE INFORMATION

Entrez Gene ID	56479
UniProt ID	Q9NR82
Pathway	Cholinergic synapse, organism-specific biosystem; Potassium Channels, organism-specific biosystem; Synaptic Transmission, organism-specific biosystem; Voltage gated Potassium channels, organism-specific biosystem
Function	inward rectifier potassium channel activity; voltage-gated ion channel activity

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