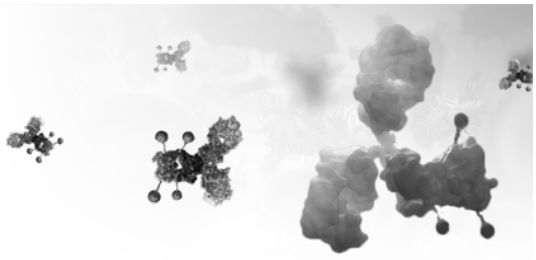

Mouse anti-Rat Kcnt1 monoclonal antibody, clone T9c-2 (CABT-B10509)

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

PRODUCT INFORMATION

Immunogen	A synthetic peptide corresponding to amino acids 189-205 of rat Kcnt1.
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Rat
Clone	T9c-2
Conjugate	Unconjugated
Applications	WB, IHC, IP
Format	Liquid
Buffer	In PBS, pH 7.4 (50% glycerol, 0.09% sodium azide)
Storage	Store at -20°C.Aliquot to avoid repeated freezing and thawing.

BACKGROUND

Introduction	Potassium channels represent the most complex class of voltage-gated ion channels from both functional and structural standpoints. Their diverse functions include regulating neurotransmitter release, heart rate, insulin secretion, neuronal excitability, epithelial electrolyte transport, smooth muscle contraction, and cell volume. This gene encodes a sodium-activated potassium channel subunit which is thought to function in ion conductance and developmental signaling pathways. Mutations in this gene cause the early-onset epileptic disorders, malignant migrating partial seizures of infancy and autosomal dominant nocturnal frontal lobe epilepsy. Alternative

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	splicing results in multiple transcript variants. [provided by RefSeq, Dec 2012]
Keywords	KCNT1; potassium channel, sodium activated subfamily T, member 1; ENFL5; SLACK; EIEE14; KCa4.1; Slo2.2; bA100C15.2; potassium channel subfamily T member 1; potassium channel, subfamily T, member 1; Sequence like a calcium-activated K+ channel;

GENE INFORMATION

Entrez Gene ID	57582
UniProt ID	Q5JUK3
Function	calcium-activated potassium channel activity; ion channel activity; nucleotide binding; voltage-gated potassium channel activity;

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