



# Mouse anti-Rat Kcnc1 monoclonal antibody, clone T27C-9 (CABT-B10492)

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

## PRODUCT INFORMATION

Specificity	Detects ~110KDa.
Immunogen	Recombinant fusion protein corresponding to C-terminus amino acids 437-585 of rat Kcnc1.
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Rat
Clone	T27C-9
Conjugate	Unconjugated
Applications	WB, IHC
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	This gene encodes a member of a family of integral membrane proteins that mediate the voltage-dependent potassium ion permeability of excitable membranes. Alternative splicing is thought to result in two transcript variants encoding isoforms that differ at their C-termini. These isoforms have had conflicting names in the literature: the longer isoform has been called both "b" and "alpha", while the shorter isoform has been called both "a" and "beta" (PMIDs 1432046,
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12091563). [provided by RefSeq, Oct 2014]

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<b>Keywords</b>	KCNC1; potassium channel, voltage gated Shaw related subfamily C, member 1; KV4; NGK2; KV3.1; potassium voltage-gated channel subfamily C member 1; voltage-gated potassium channel subunit Kv4; voltage-gated potassium channel protein KV3.1;
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## GENE INFORMATION

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<b>Entrez Gene ID</b>	<a href="#">3746</a>
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<b>UniProt ID</b>	<a href="#">P48547</a>
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<b>Pathway</b>	Neuronal System, organism-specific biosystem; Potassium Channels, organism-specific biosystem; Voltage gated Potassium channels, organism-specific biosystem;
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<b>Function</b>	voltage-gated ion channel activity; voltage-gated potassium channel activity;
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