



Mouse anti-Human CACNG7 monoclonal antibody, clone 2G8 (CABT-B9886)

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

PRODUCT INFORMATION

Immunogen	CACNG7 (NP_114102, 203 a.a. ~ 275 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	2G8
Conjugate	Unconjugated
Applications	WB,sELISA,ELISA
Sequence Similarities	RYAEEEMYRPHPAFYRPRLSDCSDYSGQFLQPEAWRRGRSPSDISSDVSIQMTQNYPPAI KYPDHLHISTSP*
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	The protein encoded by this gene is a type II transmembrane AMPA receptor regulatory protein (TARP). TARPs regulate both trafficking and channel gating of the AMPA receptors. This gene
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is part of a functionally diverse eight-member protein subfamily of the PMP-22/EMP/MP20 family and is located in a cluster with two family members, a type I TARP and a calcium channel gamma subunit. [provided by RefSeq, Dec 2010]

Keywords	CACNG7; calcium channel, voltage-dependent, gamma subunit 7; voltage-dependent calcium channel gamma-7 subunit; TARP gamma-7; transmembrane AMPAR regulatory protein gamma-7; neuronal voltage-gated calcium channel gamma-7 subunit;
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GENE INFORMATION

Entrez Gene ID	59284
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UniProt ID	P62955
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Pathway	Arrhythmogenic right ventricular cardiomyopathy (ARVC), organism-specific biosystem; Arrhythmogenic right ventricular cardiomyopathy (ARVC), conserved biosystem; Cardiac muscle contraction, organism-specific biosystem; Cardiac muscle contraction, conserved biosystem; Dilated cardiomyopathy, organism-specific biosystem; Dilated cardiomyopathy, conserved biosystem
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Function	voltage-gated calcium channel activity; voltage-gated ion channel activity
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