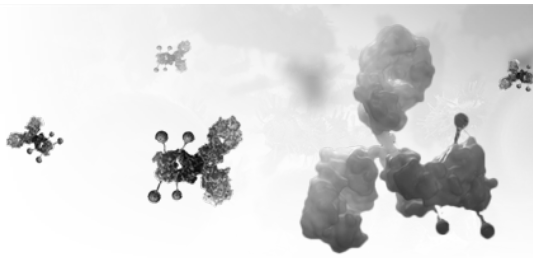

Mouse anti-Human CACNA1I monoclonal antibody, clone 3G6 (CABT-B9884)

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

PRODUCT INFORMATION

Immunogen	CACNA1I (NP_066919, 233 a.a. ~ 332 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	3G6
Conjugate	Unconjugated
Applications	WB,sELISA,ELISA
Sequence Similarities	GLLRNRCFLEENFTIQGDVALPPYYQPEEDDEMPFICSLSGDNGIMGCHEIPPLKEQGRE CCLSKDDVYDFGAGRQDLNASGLCVNWNRYYNVCRTGSA*
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 encodes the pore-forming alpha subunit of a voltage gated calcium channel. The encoded protein is a member of a subfamily of calcium channels referred to as is a low voltage-

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	activated, T-type, calcium channel. The channel encoded by this protein is characterized by a slower activation and inactivation compared to other T-type calcium channels. This protein may be involved in calcium signaling in neurons. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Oct 2011]
Keywords	CACNA1I; calcium channel, voltage-dependent, T type, alpha 1I subunit; Cav3.3; ca(v)3.3; voltage-dependent T-type calcium channel subunit alpha-1I; voltage-gated calcium channel subunit alpha Cav3.3; calcium channel, voltage-dependent, alpha 1I subunit;

GENE INFORMATION

Entrez Gene ID	8911
UniProt ID	Q9P0X4
Pathway	Axon guidance, organism-specific biosystem; Calcium signaling pathway, organism-specific biosystem; Calcium signaling pathway, conserved biosystem; MAPK signaling pathway, organism-specific biosystem; MAPK signaling pathway, conserved biosystem; NCAM signaling for neurite out-growth, organism-specific biosystem
Function	low voltage-gated calcium channel activity; protein binding; voltage-gated calcium channel activity; voltage-gated ion channel activity

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