

Mouse Anti-Cacnb1 Monoclonal Antibody

Cat. No. DMABT-H12623 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Mouse Anti-Cacnb1 Monoclonal Antibody
Species	Rat
Source	Mouse
specificity	Detects ~80, 55KDa. No cross-reactivity against Cav Beta4.
Target	Cacnb1
Immunogen	A synthetic peptide corresponding to amino acids 19-34 of rat Cacnb1.
Isotype	IgG1
species	Rat
Clone	T8-29
Conjugation	N/A
Applications	IHC-P
Usage recommendation	Western Blot (1-10 ug/mL) Immunohistochemistry (0.1-1.0 ug/mL) Immunocytochemistry (0.1-1.0 ug/mL) Immunofluorescence (1.0-10 ug/mL) The optimal working dilution should be determined by the end user.

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Storage	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Size	100 µg
GENE INFORMATION	
Gene Name	CACNB1 calcium channel, voltage-dependent, beta2subunit [Homo sapiens]
Official Symbol	Cacnb1
Synonyms	CACNB1; calcium channel, voltage-dependent, beta2subunit; CACNLB1; voltage-dependent L-type calcium channel subunit beta-1; calcium channel, L type, beta2polypeptide; calcium channel voltage-dependent subunit beta 1; dihydropyridine-sensitive L-type, calcium channel beta-1 subunit; CAB1; CCHLB1; MGC41896;
Gene ID	782
mRNA Refseq	NM_000723
Protein Refseq	NP_000714
MIM	114207
UniProt ID	Q02641
Chromosome Location	17q21-q22
Pathway	Arrhythmogenic right ventricular cardiomyopathy (ARVC), organism-specific biosystem; Arrhythmogenic right ventricular cardiomyopathy (ARVC), conserved

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biosystem; Axon guidance, organism-specific biosystem; Calcium Regulation in the Cardiac Cell, organism-specific biosystem; Cardiac muscle contraction, organism-specific biosystem; Cardiac muscle contraction, conserved biosystem; Depolarization of the Presynaptic Terminal Triggers the Opening of Calcium Channels, organism-specific biosystem;

Function

high voltage-gated calcium channel activity; voltage-gated calcium channel activity; voltage-gated ion channel activity;

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