

Product datasheet for **TA590334**

CACNB2 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, WB
Recommended Dilution:	WB 1:5000~20000,ELISA 1:100-1:2000
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	DNA immunization. This antibody is specific for the C Terminus Region of the target protein.
Formulation:	20 mM Potassium Phosphate, 150 mM Sodium Chloride, pH 7.0
Concentration:	0.75547 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	calcium voltage-gated channel auxiliary subunit beta 2
Database Link:	NP_963864 Entrez Gene 783 Human Q08289



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Background:

Function: The beta subunit of voltage-dependent calcium channels contributes to the function of the calcium channel by increasing peak calcium current, shifting the voltage dependencies of activation and inactivation, modulating G protein inhibition and controlling the alpha-1 subunit membrane targeting.; Defects in CACNB2 are the cause of Brugada syndrome type 4 (BRS4). BRS4 is a heart disease characterized by the association of Brugada syndrome with shortened QT intervals. Brugada syndrome is a tachyarrhythmia characterized by right bundle branch block and ST segment elevation on an electrocardiogram (ECG). It can cause the ventricles to beat so fast that the blood is prevented from circulating efficiently in the body. When this situation occurs (called ventricular fibrillation), the individual will faint and may die in a few minutes if the heart is not reset.; Subcellular location: Cell membrane ? sarcolemma; Peripheral membrane protein; Cytoplasmic side; Tissue specificity: Expressed in all tissues.

Synonyms:

CACNLB2; CAVB2; MYSB

Note:

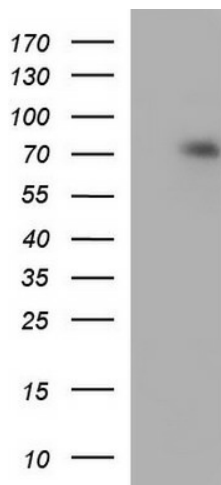
This antibody was generated by SDIX's Genomic Antibody Technology ® (GAT). [Learn about GAT](#)

Protein Families:

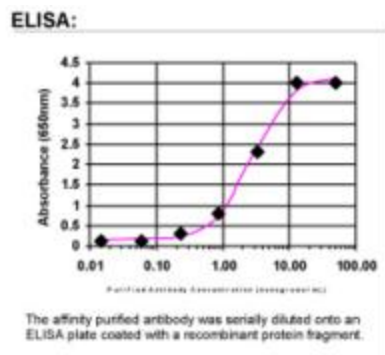
Druggable Genome, Ion Channels: Other

Protein Pathways:

Arrhythmogenic right ventricular cardiomyopathy (ARVC), Cardiac muscle contraction, Dilated cardiomyopathy, Hypertrophic cardiomyopathy (HCM), MAPK signaling pathway

Product images:

HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY CACNB2 (Cat# [RC214309], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-CACNB (Cat# TA590334). Positive lysates [LY404468] (100ug) and [LC404468] (20ug) can be purchased separately from OriGene.



ELISA: CACNB2 Antibody