BT LAB
Bioassay Technology Laboratory
Optimize Your Research

CACNA1C Rabbit Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP06772
Host	Rabbit
Isotype	IgG
Size	100ul, 50ul, 20ul
Immunogen	Synthesized peptide derived from human CACNA1C
Mol wt	244310
Species reactivity	Human, Rat, Mouse
Clonality	Polyclonal
Recommended application	WB, ELISA
Concentration	1 mg/ml
Full name	CACNA1C
Synonyms	CACNA1C; Voltage-dependent L-type calcium channel subunit alpha-1C; Calcium channel; L type; alpha-1 polypeptide; isoform 1; cardiac muscle; Voltage-gated calcium channel subunit alpha Cav1.2

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

This gene encodes an alpha-1 subunit of a voltage-dependent calcium channel. Calcium channels mediate the influx of calcium ions into the cell upon membrane polarization. The alpha-1 subunit consists of 24 transmembrane segments and forms the pore through which ions pass into the cell. The calcium channel consists of a complex of alpha-1| alpha-2/delta| beta| and gamma subunits in a 1:1:1:1 ratio. There are multiple isoforms of each of these proteins| either encoded by different genes or the result of alternative splicing of transcripts. The protein encoded by this gene binds to and is inhibited by dihydropyridine. Alternative splicing results in many transcript variants encoding different proteins. Some of the predicted proteins may not produce functional ion channel subunits.

Recommended Dilution

WB: 1: 1000 - 1: 2000

ELISA: 1: 5000 - 1: 20000

Not yet tested in other applications.

Images

No images.

Storage

-20°C for 1 year

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