



Anti-CACNB4 (C-terminal) polyclonal antibody (DPAB-DC497)

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

PRODUCT INFORMATION

Antigen Description	CACNB4 (calcium channel, voltage-dependent, beta 4 subunit) is a protein-coding gene. Diseases associated with CACNB4 include cacnb4-related juvenile myoclonic epilepsy, and episodic ataxia type 5, and among its related super-pathways are Hypertrophic cardiomyopathy (HCM) and PKC-Theta Pathway. GO annotations related to this gene include voltage-gated calcium channel activity and high voltage-gated calcium channel activity. An important paralog of this gene is CACNB1.
Immunogen	A synthetic peptide corresponding to C-terminus of mouse Cacnb4.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Mouse
Conjugate	Unconjugated
Applications	WB, ICC, IP, ELISA,
Format	Liquid
Size	25 µg
Buffer	In PBS (0.1% proclin, 2% Block Ace)
Preservative	None
Storage	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	Cacnb4 calcium channel, voltage-dependent, beta 4 subunit [Mus musculus (house mouse)]
Official Symbol	CACNB4
Synonyms	CACNB4; calcium channel, voltage-dependent, beta 4 subunit; lh; Cchb4; 3110038O15Rik; voltage-dependent L-type calcium channel subunit beta-4; CAB4; calcium channel voltage-dependent subunit beta 4;
Entrez Gene ID	12298
Protein Refseq	NP_001032176
UniProt ID	A2ATZ8
Chromosome Location	2 C1.1; 2 29.98 cM
Pathway	Adrenergic signaling in cardiomyocytes; Axon guidance; Depolarization of the Presynaptic Terminal Triggers the Opening of Calcium Channels; Dilated cardiomyopathy
Function	calcium channel activity; contributes_to high voltage-gated calcium channel activity; high voltage-gated calcium channel activity; protein binding