

CACNB2 (aa565-579) Antibody (C-Term)
Peptide-affinity purified goat antibody
Catalog # AF3651a**Specification**

CACNB2 (aa565-579) Antibody (C-Term) - Product Information

Application	WB, E
Primary Accession	Q08289
Other Accession	NP_000715.2 , NP_963890.2 , NP_963884.2 , NP_963891.1 , NP_963887.2 , NP_963865.2 , NP_963864.1 , NP_963866.2 , NP_001161417.1 , 783 , 12296 (mouse) , 116600 (rat)
Reactivity	Human, Mouse
Predicted	Rat, Dog
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	73581

CACNB2 (aa565-579) Antibody (C-Term) - Additional Information**Gene ID** 783**Other Names**

Voltage-dependent L-type calcium channel subunit beta-2, CAB2, Calcium channel voltage-dependent subunit beta 2, Lambert-Eaton myasthenic syndrome antigen B, MYSB, CACNB2, CACNLB2, MYSB

DilutionWB~~1:1000
E~~N/A**Format**

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

CACNB2 (aa565-579) Antibody (C-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

CACNB2 (aa565-579) Antibody (C-Term) - Protein Information**Name** CACNB2

Synonyms CACNLB2, MYSB

Function

Beta subunit of voltage-dependent calcium channels which contributes to the function of the calcium channel by increasing peak calcium current (By similarity). Plays a role in shifting voltage dependencies of activation and inactivation of the channel (By similarity). May modulate G protein inhibition (By similarity). May contribute to beta-adrenergic augmentation of Ca(2+) influx in cardiomyocytes, thereby regulating increases in heart rate and contractile force (PubMed:36424916). Involved in membrane targeting of the alpha-1 subunit CACNA1C (PubMed:17525370).

Cellular Location

Cell membrane, sarcolemma; Peripheral membrane protein; Cytoplasmic side

Tissue Location

Expressed in all tissues.

CACNB2 (aa565-579) Antibody (C-Term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

CACNB2 (aa565-579) Antibody (C-Term) - Images



AF3651a (1 µg/ml) staining of Jurkat lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

CACNB2 (aa565-579) Antibody (C-Term) - Background

This antibody is expected to recognize all reported isoforms (NP_000715.2; NP_963890.2; NP_963884.2; NP_963891.1; NP_963887.2; NP_963865.2; NP_963864.1; NP_963866.2; NP_001161417.1).

CACNB2 (aa565-579) Antibody (C-Term) - References

Mutations in the cardiac L-type calcium channel associated with inherited J-wave syndromes
Burashnikov E, Pfeiffer R, Barajas-Martinez H, Delpón E, Hu D, Desai M, Borggrefe M, Häissaguerre M, Kanter R, Pollevick GD, Guerchicoff A, Laiño R, Marieb M, Nademanee K, Nam GB, Robles R, Schimpf R, Stapleton DD, Viskin S, Winters S, Wolpert C, Zimmern Heart Rhythm. 2010 Dec;7(12):1872-82. PMID: 20817017