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Cacnb2 Antibody - middle region
Rabbit Polyclonal Antibody
Catalog # AI10855

Specification

Cacnb2 Antibody - middle region - Product Information

Application	**WB**
Primary Accession	Q8VGC3
Other Accession	NM_053851, NP_446303
Reactivity	**Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Horse, Bovine, Dog**
Predicted	**Human, Mouse, Rat, Pig, Horse, Bovine, Dog**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**66kDa KDa**

Cacnb2 Antibody - middle region - Additional Information

Gene ID 116600

Alias Symbol	**Cacnlb2**

Other Names
Voltage-dependent L-type calcium channel subunit beta-2, CAB2, Calcium channel voltage-dependent subunit beta 2, Cacnb2, Cacnlb2

Format
Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage
Add 50 ul of distilled water. Final anti-Cacnb2 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions
Cacnb2 Antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

Cacnb2 Antibody - middle region - Protein Information

Name Cacnb2

Synonyms Cacnlb2

Function
Beta subunit of voltage-dependent calcium channels which contributes to the function of the calcium channel by increasing peak calcium current (PubMed:1370480, PubMed:12042350). Plays a role

in shifting voltage dependencies of activation and inactivation of the channel (PubMed:1370480, PubMed:12042350). May modulate G protein inhibition (PubMed:11604404, PubMed:12042350, PubMed:1370480). May contribute to beta-adrenergic augmentation of Ca(2+) influx in cardiomyocytes, thereby regulating increases in heart rate and contractile force (By similarity). Involved in membrane targeting of the alpha-1 subunit CACNA1C (By similarity).

Cellular Location
Cell membrane, sarcolemma; Peripheral membrane protein; Cytoplasmic side

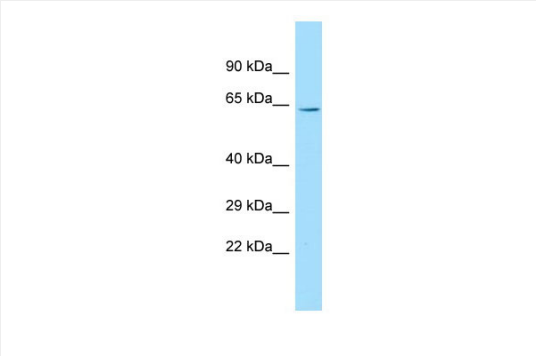
Tissue Location
Highly expressed in heart and brain, and at lower levels in lung.

Cacnb2 Antibody - middle region - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Cacnb2 Antibody - middle region - Images



Host: Rabbit
Target Name: Cacnb2
Sample Tissue: Rat Thymus lysates
Antibody Dilution: 1.0µg/ml