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Cacnb2 Antibody - middle region

Rabbit Polyclonal Antibody
Catalog # AI10855

Product Information

Application	WB
Primary Accession	Q8VGC3
Other Accession	NM_053851, NP_446303
Reactivity	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Dog, Horse, Bovine
Predicted	Human, Mouse, Rat, Pig, Dog, Horse, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	73226

Additional Information

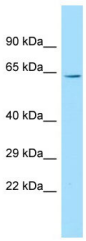
Gene ID	116600
Alias Symbol	Cacnlb2
Other Names	Voltage-dependent L-type calcium channel subunit beta-2, CAB2, Calcium channel voltage-dependent subunit beta 2, Cacnb2, Cacnlb2
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	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.

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:12042350, PubMed:1370480). Plays a role in shifting voltage dependencies of activation and inactivation of the channel (PubMed:12042350, PubMed:1370480). 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.

Images



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