

CACNB3 antibody - C-terminal region

Rabbit Polyclonal Antibody

Catalog # AI10148

Product Information

Application	WB
Primary Accession	P54284
Other Accession	P54284 , NP_000716 , NM_000725
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Dog, Guinea Pig, Horse, Bovine
Predicted	Human, Mouse, Rat, Pig, Dog, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	54532

Additional Information

Gene ID	784
Alias Symbol	CAB3, CACNLB3
Other Names	Voltage-dependent L-type calcium channel subunit beta-3, CAB3, Calcium channel voltage-dependent subunit beta 3, CACNB3, CACNLB3
Target/Specificity	The L-type calcium channel is composed of four subunits: alpha-1, alpha-2, beta and gamma. The beta subunit of voltage-dependent calcium channels contributes to the function of the calcium channel by increasing peak calcium current, shifting the voltage dependencies of activation and inactivation, modulating G protein inhibition and controlling the alpha-1 subunit membrane targeting.
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 100 ul of distilled water. Final anti-CACNB3 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	CACNB3 antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	CACNB3
Synonyms	CACNLB3 {ECO:0000303 PubMed:7557998}
Function	Regulatory subunit of the voltage-gated calcium channel that gives rise to

L-type calcium currents (PubMed:[8119293](#)). Increases CACNA1B peak calcium current and shifts the voltage dependencies of channel activation and inactivation (By similarity). Increases CACNA1C peak calcium current and shifts the voltage dependencies of channel activation and inactivation (By similarity).

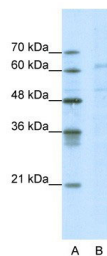
Cellular Location Cytoplasm.

Tissue Location Expressed mostly in brain, colon and ovary.

Background

This is a rabbit polyclonal antibody against CACNB3. It was validated on Western Blot using a cell lysate as a positive control. Abgent strives to provide antibodies covering each member of a whole protein family of your interest. We also use our best efforts to provide you antibodies recognize various epitopes of a target protein. For availability of antibody needed for your experiment, please inquire (sales@abgent.com).

Images



CACNB3 antibody - C-terminal region (AI10148) in Human Jurkat cells using Western Blot
WB Suggested Anti-CACNB3 Antibody Titration: 2.5 µg/ml
ELISA Titer: 1:62500
Positive Control: Jurkat cell lysate
CACNB3 is strongly supported by BioGPS gene expression data to be expressed in Human Jurkat cells

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.