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CACNB3 antibody - C-terminal region
Rabbit Polyclonal Antibody
Catalog # AI10148

Specification

CACNB3 antibody - C-terminal region - 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	**53 kDa KDa**

CACNB3 antibody - C-terminal region - 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.

CACNB3 antibody - C-terminal region - 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.

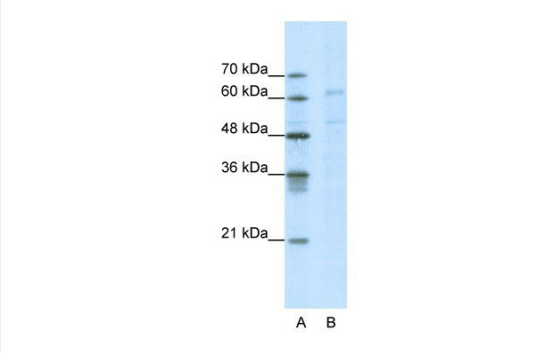
Tissue Location
Expressed mostly in brain, colon and ovary.

CACNB3 antibody - C-terminal 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

CACNB3 antibody - C-terminal region - Images



CACNB3 antibody - C-terminal region (AI10148) in Human Jurkat cells using Western Blot
WB Suggested Anti-CACNB3 Antibody Titration: 2.5µg/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

CACNB3 antibody - C-terminal region - 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).