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CACNB3 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP17493b

Specification

CACNB3 Antibody (C-term) - Product Information

Application	**WB,E**
Primary Accession	P54284
Other Accession	P54287, P54286, P54285, NP_000716.2
Reactivity	**Human**
Predicted	**Mouse, Rabbit, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**54532**
Antigen Region	**407-434**

CACNB3 Antibody (C-term) - Additional Information

Gene ID 784

Other Names
Voltage-dependent L-type calcium channel subunit beta-3, CAB3, Calcium channel voltage-dependent subunit beta 3, CACNB3, CACNLB3

Target/Specificity
This CACNB3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 407-434 amino acids from the C-terminal region of human CACNB3.

Dilution
WB~~1:1000

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

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

Precautions
CACNB3 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

CACNB3 Antibody (C-term) - 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.

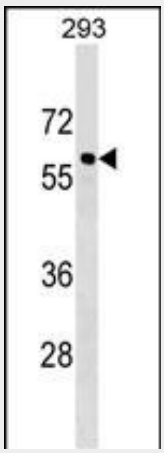
Tissue Location
Expressed mostly in brain, colon and ovary.

CACNB3 Antibody (C-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 Cytomety
- Cell Culture

CACNB3 Antibody (C-term) - Images



CACNB3 Antibody (C-term) (Cat. #AP17493b) western blot analysis in 293 cell line lysates (35ug/lane).This demonstrates the CACNB3 antibody detected the CACNB3 protein (arrow).

CACNB3 Antibody (C-term) - Background

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.

CACNB3 Antibody (C-term) - References

Zhang, Y., et al. J. Biol. Chem. 285(4):2527-2536(2010)
Bernardo, J.F., et al. Can. J. Physiol. Pharmacol. 87(7):522-530(2009)
Voss, M., et al. BMC Immunol. 10, 53 (2009) :
Rikova, K., et al. Cell 131(6):1190-1203(2007)
Vendel, A.C., et al. J. Neurosci. 26(10):2635-2644(2006)