

CACNB3 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP17493b**Specification**

CACNB3 Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [P54284](#)**CACNB3 Antibody (C-term) Blocking Peptide - 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

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

CACNB3 Antibody (C-term) Blocking Peptide - 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) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

CACNB3 Antibody (C-term) Blocking Peptide - Images

CACNB3 Antibody (C-term) Blocking Peptide - 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) Blocking Peptide - 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)