

CACNG1 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP19272b**Specification**

CACNG1 Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [Q06432](#)**CACNG1 Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 786**Other Names**

Voltage-dependent calcium channel gamma-1 subunit, Dihydropyridine-sensitive L-type, skeletal muscle calcium channel subunit gamma, CACNG1, CACNLG

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.

CACNG1 Antibody (C-term) Blocking Peptide - Protein Information**Name** CACNG1**Function**

Regulatory subunit of the voltage-gated calcium channel that gives rise to L-type calcium currents in skeletal muscle. Regulates channel inactivation kinetics.

Cellular Location

Cell membrane, sarcolemma {ECO:0000250|UniProtKB:P19518}; Multi-pass membrane protein {ECO:0000250|UniProtKB:P19518}

Tissue Location

Skeletal muscle..

CACNG1 Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

CACNG1 Antibody (C-term) Blocking Peptide - Images**CACNG1 Antibody (C-term) Blocking Peptide - Background**

Voltage-dependent calcium channels are composed of five subunits. The protein encoded by this gene represents one of these subunits, gamma, and is one of two known gamma subunit proteins. This particular gamma subunit is part of skeletal muscle 1,4-dihydropyridine-sensitive calcium channels and is an integral membrane protein that plays a role in excitation-contraction coupling. This gene is part of a functionally diverse eight-member protein subfamily of the PMP-22/EMP/MP20 family and is located in a cluster with two family members that function as transmembrane AMPA receptor regulatory proteins (TARPs).

CACNG1 Antibody (C-term) Blocking Peptide - References

Chen, R.S., et al. Cell Biochem. Biophys. 47(2):178-186(2007) Chu, P.J., et al. Gene 280 (1-2), 37-48 (2001) : Burgess, D.L., et al. Genomics 71(3):339-350(2001) Burgess, D.L., et al. Genome Res. 9(12):1204-1213(1999) Wagner, T., et al. Cytogenet. Cell Genet. 76 (3-4), 172-175 (1997) :