

CACNG6 Antibody (Center) Blocking peptide
Synthetic peptide
Catalog # BP12044c

Specification

CACNG6 Antibody (Center) Blocking peptide - Product Information

Primary Accession [Q9BXT2](#)

CACNG6 Antibody (Center) Blocking peptide - Additional Information

Gene ID 59285

Other Names

Voltage-dependent calcium channel gamma-6 subunit, Neuronal voltage-gated calcium channel gamma-6 subunit, CACNG6

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.

CACNG6 Antibody (Center) Blocking peptide - Protein Information

Name CACNG6

Function

Regulates the activity of L-type calcium channels that contain CACNA1C as pore-forming subunit.

Cellular Location

Cell membrane; Multi-pass membrane protein

Tissue Location

Detected in heart left ventricle.

CACNG6 Antibody (Center) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

CACNG6 Antibody (Center) Blocking peptide - Images

CACNG6 Antibody (Center) 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 an integral membrane protein that is thought to stabilize the calcium channel in an inactive (closed) state. 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). Alternative splicing results in multiple transcript variants. Variants in this gene have been associated with aspirin-intolerant asthma.

CACNG6 Antibody (Center) Blocking peptide - References

Lee, J.S., et al. BMC Med. Genet. 11, 138 (2010) ; 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)