10320 Camino Santa Fe, Suite G
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CACNG3 Antibody (N-term) Blocking Peptide

Synthetic peptide
Catalog # BP18213a

Specification

CACNG3 Antibody (N-term) Blocking Peptide - Product Information

Primary Accession O60359

CACNG3 Antibody (N-term) Blocking Peptide - Additional Information

Gene ID 10368

Other Names
Voltage-dependent calcium channel gamma-3 subunit, Neuronal voltage-gated calcium channel gamma-3 subunit, Transmembrane AMPAR regulatory protein gamma-3, TARP gamma-3, CACNG3

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.

CACNG3 Antibody (N-term) Blocking Peptide - Protein Information

Name CACNG3

Function
Regulates the trafficking to the somatodendritic compartment and gating properties of AMPA-selective glutamate receptors (AMPARs). Promotes their targeting to the cell membrane and synapses and modulates their gating properties by slowing their rates of activation, deactivation and desensitization. Does not show subunit-specific AMPA receptor regulation and regulates all AMPAR subunits. Thought to stabilize the calcium channel in an inactivated (closed) state.

Cellular Location
Membrane; Multi-pass membrane protein. Note=Displays a somatodendritic localization and is excluded from axons in neurons. {ECO:0000250|UniProtKB:Q9JJV5}

CACNG3 Antibody (N-term) Blocking Peptide - Protocols

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

- Blocking Peptides

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CACNG3 Antibody (N-term) Blocking Peptide - Images

CACNG3 Antibody (N-term) Blocking Peptide - Background

The protein encoded by this gene is a type I transmembraneAMPA receptor regulatory protein (TARP). TARPs regulate bothtrafficking and channel gating of the AMPA receptors. This gene ispart of a functionally diverse eight-member protein subfamily ofthe PMP-22/EMP/MP20 family. This gene is a susceptibility locus forchildhood absence epilepsy.

CACNG3 Antibody (N-term) Blocking Peptide - References

Kato, A.S., et al. Trends Neurosci. 33(5):241-248(2010)Sager, C., et al. Neuroscience 158(1):45-54(2009)Everett, K.V., et al. Eur. J. Hum. Genet. 15(4):463-472(2007)Lamesch, P., et al. Genomics 89(3):307-315(2007)Chen, R.S., et al. Cell Biochem. Biophys. 47(2):178-186(2007)