

**CACNG5 Antibody (C-term) Blocking Peptide**  
Synthetic peptide  
Catalog # BP6630b

### Specification

#### **CACNG5 Antibody (C-term) Blocking Peptide - Product Information**

Primary Accession [Q9UF02](#)

#### **CACNG5 Antibody (C-term) Blocking Peptide - Additional Information**

Gene ID 27091

##### **Other Names**

Voltage-dependent calcium channel gamma-5 subunit, Neuronal voltage-gated calcium channel gamma-5 subunit, Transmembrane AMPAR regulatory protein gamma-5, TARP gamma-5, CACNG5

##### **Target/Specificity**

The synthetic peptide sequence used to generate the antibody <a href=/products/AP6630b>AP6630b</a> was selected from the C-term region of human CACNG5. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

##### **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.

#### **CACNG5 Antibody (C-term) Blocking Peptide - Protein Information**

Name CACNG5

##### **Function**

Regulates the gating properties of AMPA-selective glutamate receptors (AMPARs). Modulates their gating properties by accelerating their rates of activation, deactivation and desensitization. Displays subunit-specific AMPA receptor regulation. Shows specificity for GRIA1, GRIA4 and the long isoform of GRIA2. Thought to stabilize the calcium channel in an inactivated (closed) state (By similarity).

##### **Cellular Location**

Membrane; Multi-pass membrane protein. Postsynaptic density membrane

## **CACNG5 Antibody (C-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

## **CACNG5 Antibody (C-term) Blocking Peptide - Images**

## **CACNG5 Antibody (C-term) Blocking Peptide - Background**

L-type calcium channels are composed of five subunits. The protein CACNG5 represents one of these subunits, gamma, and is one of several gamma subunit proteins. It is an integral membrane protein that is thought to stabilize the calcium channel in an inactive (closed) state.

## **CACNG5 Antibody (C-term) Blocking Peptide - References**

Chu,P.J., Gene 280 (1-2), 37-48 (2001)