

**CACNG1 Antibody (C-term)**  
**Affinity Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP19272B**

**Specification**

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**CACNG1 Antibody (C-term) - Product Information**

|                   |  |
|-------------------|--|
| Application       | WB,E   |
| Primary Accession | <a href="#">Q06432</a>   |
| Other Accession   | <a href="#">P97707</a> , <a href="#">P19518</a> , <a href="#">Q2MJQ7</a> , <a href="#">O70578</a> ,<br><a href="#">NP_000718.1</a> |
| Reactivity        | Mouse  |
| Predicted         | Pig, Rabbit, Rat   |
| Host              | Rabbit   |
| Clonality         | Polyclonal   |
| Isotype           | Rabbit IgG   |
| Calculated MW     | 25028  |
| Antigen Region    | 144-172  |

**CACNG1 Antibody (C-term) - 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

**Target/Specificity**

This CACNG1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 144-172 amino acids from the C-terminal region of human CACNG1.

**Dilution**

WB~~1:1000

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

CACNG1 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**CACNG1 Antibody (C-term) - 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**

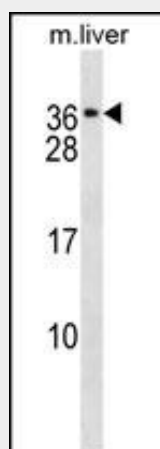
Skeletal muscle..

**CACNG1 Antibody (C-term) - Protocols**

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**CACNG1 Antibody (C-term) - Images**



CACNG1 Antibody (C-term)(Cat. #AP19272b) western blot analysis in mouse liver tissue lysates (35ug/lane). This demonstrates the CACNG1 antibody detected the CACNG1 protein (arrow).

**CACNG1 Antibody (C-term) - 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) - 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) :