

CACNG1 Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP51881**Specification**

CACNG1 Antibody - Product Information

Application	WB
Primary Accession	Q06432
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	25 KDa
Antigen Region	121 - 180

CACNG1 Antibody - 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

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human CACNG1. The exact sequence is proprietary.

Dilution

WB~~ 1:1000

Format

0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

Storage

Store at -20 °C. Stable for 12 months from date of receipt

CACNG1 Antibody - 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

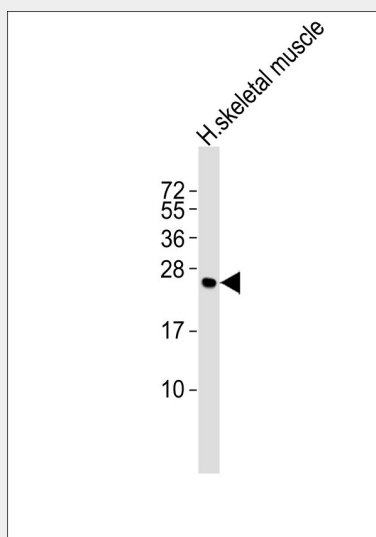
Skeletal muscle..

CACNG1 Antibody - 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 - Images



Anti-CACNG1 Antibody at 1:1000 dilution + human skeletal muscle lysates. Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 25 kDa. Blocking/Dilution buffer: 5% NFDM/TBST.

CACNG1 Antibody - Background

This protein is a subunit of the dihydropyridine (DHP) sensitive calcium channel. Plays a role in excitation-contraction coupling. The skeletal muscle DHP-sensitive Ca(2+) channel may function only as a multiple subunit complex.

CACNG1 Antibody - References

- Powers P.A., et al. J. Biol. Chem. 268:9275-9279(1993).
Ota T., et al. Nat. Genet. 36:40-45(2004).
Mural R.J., et al. Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.
Iles D.E., et al. Cytogenet. Cell Genet. 64:227-230(1993).