

# CACNG1 Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP51881

## Product Information

Application	WB
Primary Accession	<a href="#">Q06432</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	25028

## 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

## 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..

## 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.

## References

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Powers P.A.,et al.J. Biol. Chem. 268:9275-9279(1993).

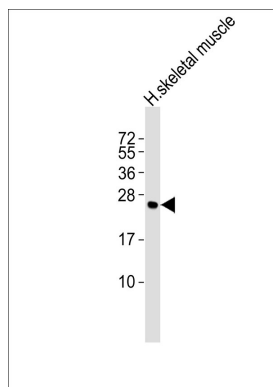
Ota T.,et al.Nat. Genet. 36:40-45(2004).

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).

## Images

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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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.