
Product Name: L-type Ca⁺⁺ CP γ 7 Rabbit Polyclonal Antibody**Catalog #: APRab13480**

For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,ELISA
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2000,ELISA 1:10000-1:20000
Molecular Weight	40kDa

Antigen Information

Gene Name	CACNG7 CACNG7; Voltage-dependent calcium channel gamma-7 subunit; Neuronal voltage-gated
Alternative Names	calcium channel gamma-7 subunit; Transmembrane AMPAR regulatory protein gamma-7; TARP gamma-7
Gene ID	59284.0
SwissProt ID	P62955
Immunogen	The antiserum was produced against synthesized peptide derived from human CACNG7. AA range:198-247

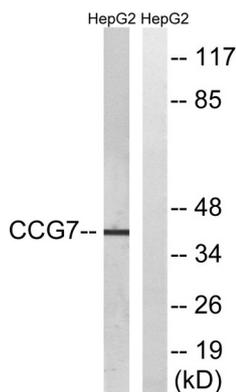
Background

calcium voltage-gated channel auxiliary subunit gamma 7(CACNG7) Homo sapiens The protein encoded by this gene is a type II transmembrane AMPA receptor regulatory protein (TARP). TARPs regulate both trafficking and channel gating of the AMPA receptors. 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, a type I TARP and a calcium channel gamma subunit. [provided by RefSeq, Dec 2010],function:Thought to stabilize the calcium channel in an inactivated (closed) state.,similarity:Belongs to the PMP-22/EMP/MP20 family. CACNG subfamily.,subunit:The L-type calcium channel is composed of five subunits: alpha-1, alpha-2/delta, beta and gamma.,tissue specificity:Widely expressed.,

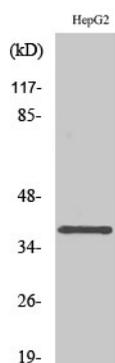
Research Area

MAPK_ERK_Growth;MAPK_G_Protein;Cardiac muscle contraction;Hypertrophic cardiomyopathy (HCM);Arrhythmogenic right ventricular cardiomyopathy (ARVC);Dilated cardiomyopathy;

Image Data



Western blot analysis of lysates from HepG2 cells, using CACNG7 Antibody. The lane on the right is blocked with the synthesized peptide.



Western Blot analysis of various cells using L-type Ca⁺⁺ CP γ7 Polyclonal Antibody diluted at 1: 1000