

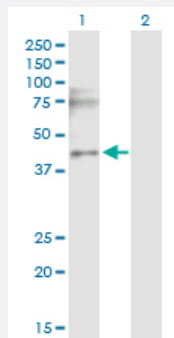
MaxPab®

CACNG3 purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00010368-D01P

Size 100 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of CACNG3 expression in transfected 293T cell line ([H00010368-T02](#)) by CACNG3 MaxPab polyclonal antibody.

Lane 1: CACNG3 transfected lysate(35.50 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human CACNG3 protein.
Immunogen	CACNG3 (NP_006530.1, 1 a.a. ~ 315 a.a) full-length human protein.
Sequence	MRMCDRGIQMLITTVGAFAAFSLMTIavgTDYWLysRGVCRTKSTSDNETSRKNEEVMTHSGLWR TCCLEGAFRGVCKKIDHFPEDADYEQDTAEYLLRAVRASSVFPILSVTLFFGGLCVAASEFHRS RHNVILSAGIFFVSAGLSNIGIVYISANAGDPGQRDSKKSYSYGWSFYFGAFSFI AENGVVAVHME KHQQLRAKSHSEFLKKSTFARLPPYRYRFRRRSSSRSTEPRSRDLSPISKGFHTIPSTDISMFTLSR DPSKITMGTL LN SDRDHAFLQFHNSTPKEFKESLHNNPANRRTPV
Host	Rabbit
Reactivity	Human
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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[Protocol Download](#)

Gene Info — CACNG3

Entrez GeneID [10368](#)

GeneBank Accession# [NM_006539](#)

Protein Accession# [NP_006530.1](#)

Gene Name CACNG3

Gene Alias Cacng2

Gene Description calcium channel, voltage-dependent, gamma subunit 3

Omim ID [606403](#)

Gene Ontology [Hyperlink](#)

Gene Summary L-type calcium channels are composed of five subunits. The protein encoded by this gene 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. This protein is similar to the mouse stargazin protein, mutations in which have been associated with absence seizures, also known as petit-mal or spike-wave seizures. This gene is a member of the neuronal calcium channel gamma subunit gene subfamily of the PMP-22/EMP/MP20 family. This gene is a candidate gene for a familial infantile convulsive disorder with paroxysmal choreoathetosis. [provided by RefSeq]

Other Designations neuronal voltage-gated calcium channel gamma-3 subunit|voltage-dependent calcium channel gamma-3 subunit|voltage-gated calcium channel gamma subunit

Pathway

- [Arrhythmogenic right ventricular cardiomyopathy \(ARVC\)](#)

- [Cardiac muscle contraction](#)
- [Hypertrophic cardiomyopathy \(HCM\)](#)
- [MAPK signaling pathway](#)

Disease

- [Epilepsy](#)
- [Genetic Predisposition to Disease](#)
- [Seizures](#)