

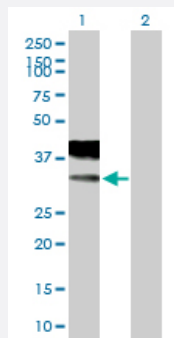
MaxPab®

CACNG2 purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00010369-B01P

Size 50 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of CACNG2 expression in transfected 293T cell line ([H00010369-T02](#)) by CACNG2 MaxPab polyclonal antibody.

Lane 1: CACNG2 transfected lysate (35.53 kDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

Mouse polyclonal antibody raised against a full-length human CACNG2 protein.

Immunogen

CACNG2 (NP_006069.1, 1 a.a. ~ 323 a.a) full-length human protein.

Sequence

MGLFDRGVQMLLTTVGAFAAFSLMTIAVGTDYWLYSRGVCKTKSVSENETSKKNEEVMTHSGLW
RTCCLEGNFKGLCKQIDHFPEDADYEADTAEYFLRAVRASSIFPILSVILLFMGGLCIAASEFYKTRH
NIILSAGIFFVSAGLSNIIGIVYISANAGDPSKSDSKKNSYSYGWSFYFGALSFIAEMVGVLAHMFID
RHKQLRATARATDYLQASAITRIPSYRYRYQRRSRSSSRSTEPSHSRDASPVGIKGFNTLPSTEISM
YTLSRDPLKAATTPTATYNSDRDNSFLQVHNCIQKENKDSLHSNTANRRTPV

Host

Mouse

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 — CACNG2

Entrez GeneID [10369](#)

GeneBank Accession# [NM_006078](#)

Protein Accession# [NP_006069.1](#)

Gene Name CACNG2

Gene Alias MGC138502, MGC138504

Gene Description calcium channel, voltage-dependent, gamma subunit 2

Omim ID [602911](#)

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. [provided by RefSeq]

Other Designations neuronal voltage-gated calcium channel gamma-2 subunit|stargazin|voltage-dependent calcium channel gamma-2 subunit

Pathway

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

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

Disease

- [Attention](#)
- [Bipolar Disorder](#)
- [Cognition](#)
- [Genetic Predisposition to Disease](#)
- [Neuropsychological Tests](#)
- [Problem Solving](#)
- [Schizophrenia](#)
- [Schizophrenic Psychology](#)
- [Weight Gain](#)