

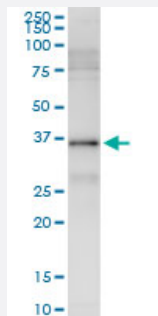
MaxPab®

CACNG7 MaxPab rabbit polyclonal antibody (D01)

Catalog # H00059284-D01

Size 100 uL

Applications



Immunoprecipitation

Immunoprecipitation of CACNG7 transfected lysate using anti-CACNG7 MaxPab rabbit polyclonal antibody and Protein A Magnetic Bead, and immunoblotted with CACNG7 purified MaxPab mouse polyclonal antibody (B01P) ([H00059284-B01P](#)).

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human CACNG7 protein.
Immunogen	CACNG7 (NP_114102.2, 1 a.a. ~ 275 a.a) full-length human protein.
Sequence	MSHCSSRALTLSSVFGACGLLLVGIAVSTDYWLMEEGTVLPQNQTTEVKMALHAGLWRVCF AGREKGRGVASEYFLEPEINLVNTENTENILKTVRTATPFPMVSLFLVFTAFVISNIGHIRPQRTILAFV SGIFFILSGLSLVVGLVLYISSINDEVMNRPSSSEQYFHYRYGWSFAFAASSFLLKEGAGVMSVYLF TKRYAEEEMYRPHPAFYRPLSDCSDYSGQLQPEAWRRGRSPSDISSDVSQMTQNYPPAIKYP DHLHISTSPC
Host	Rabbit
Reactivity	Human
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	No additive
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Immunoprecipitation

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[Protocol Download](#)

Gene Info — CACNG7

Entrez GeneID [59284](#)

GeneBank Accession# [NM_031896](#)

Protein Accession# [NP_114102.2](#)

Gene Name CACNG7

Gene Alias -

Gene Description calcium channel, voltage-dependent, gamma subunit 7

Omim ID [606899](#)

Gene Ontology [Hyperlink](#)

Gene Summary

The mouse protein stargazin is one of five subunits comprising neuronal voltage-gated calcium channels. This subunit, gamma, is thought to stabilize the calcium channel in an inactive (closed) state. Mutations in the gene encoding stargazin have been associated with absence seizures, also known as petit-mal or spike-wave seizures. The protein encoded by this gene is structurally similar to the mouse stargazin protein and is a member of the neuronal calcium channel gamma subunit protein family. However, it appears unlikely that the encoded protein is part of a functional calcium channel. Rather, it appears to inhibit the expression of a specific calcium channel subunit. [provided by RefSeq]

Other Designations

OTTHUMP00000067298|neuronal voltage-gated calcium channel gamma-7 subunit|voltage-dependent calcium channel gamma-7 subunit

Publication Reference

- [Bidirectional plasticity of calcium-permeable AMPA receptors in oligodendrocyte lineage cells.](#)

Zonouzi M, Renzi M, Farrant M, Cull-Candy SG.

Nature Neuroscience 2011 Oct; 14(11):1430.

Application: IF, Rat, Rat optic nerves

Pathway

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