

DNAxPAb

Hard-to-Find Antibody

## CACNG7 DNAxPab

Catalog # H00059284-W01P Size 200 ug

| Specification           |   |
|-------------------------|---|
| Product Description     | Rabbit polyclonal antibody raised against a partial-length human CACNG7 DNA using DNAx™ Immu ne technology. |
| Technology              | DNAx™ Immune  |
| Immunogen               | Extracellular membrane domain (ECD) human DNA   |
| Host                    | Rabbit  |
| Reactivity              | Human   |
| Purification            | Protein A   |
| 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.                                    |

## Applications

- Western Blot (Transfected lysate)
  <u>Protocol Download</u>
- Immunofluorescence (Transfected cell)
- Flow Cytometry (Transfected cell)

Gene Info — CACNG7

🕜 Abnova

## **Product Information**

| Entrez GenelD       | <u>59284</u>  |
|---------------------|---|
| GeneBank Accession# | <u>NM_031896.3</u>  |
| Protein Accession#  | <u>NP_114102.2</u>  |
| Gene Name           | CACNG7  |
| Gene Alias          | -   |
| Gene Description    | calcium channel, voltage-dependent, gamma subunit 7   |
| Omim ID             | <u>606899</u>   |
| Gene Ontology       | <u>Hyperlink</u>  |
| Gene Summary        | The mouse protein stargazin is one of five subunits comprising neuronal voltage-gated calcium ch<br>annels. This subunit, gamma, is thought to stabilize the calcium channel in an inactive (closed) stat<br>e. Mutations in the gene encoding stargazin have been associated with absence seizures, also kn<br>own as petit-mal or spike-wave seizures. The protein encoded by this gene is structurally similar t<br>o the mouse stargazin protein and is a member of the neuronal calcium channel gamma subunit p<br>rotein family. However, it appears unlikely that the encoded protein is part of a functional calcium c<br>hannel. Rather, it appears to inhibit the expression of a specific calcium channel subunit. [provide<br>d by RefSeq |
| Other Designations  | OTTHUMP00000067298 neuronal voltage-gated calcium channel gamma-7 subunit voltage-depe<br>ndent calcium channel gamma-7 subunit   |

## Pathway

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