

For Research Use Only

# CACNG2 Polyclonal antibody

Catalog Number: 20969-1-AP



## Basic Information

**Catalog Number:**

20969-1-AP

**Size:**

800 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**GenBank Accession Number:**

NM\_006078

**GeneID (NCBI):**

10369

**UNIPROT ID:**

Q9Y698

**Full Name:**

calcium channel, voltage-dependent,  
gamma subunit 2

**Calculated MW:**

36 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

IHC 1:20-1:200

## Applications

**Tested Applications:**

IHC, ELISA

**Species Specificity:**

human, mouse

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

**Positive Controls:**

IHC: mouse brain tissue,

## Background Information

Voltage-dependent calcium channel gamma-2 subunit (CACNG2, also known as stargazin or TARP gamma-2) is a brain-specific transmembrane AMPA receptor regulatory protein. CACNG2 is intimately involved in the trafficking of glutamatergic AMPA receptors and the modulation of their ion channel function (PMID: 20688780).

## Storage

**Storage:**

Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

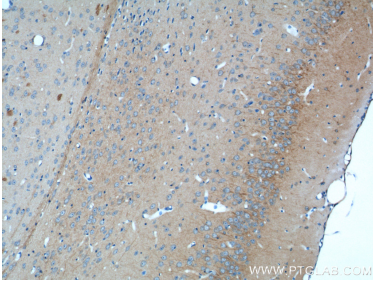
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

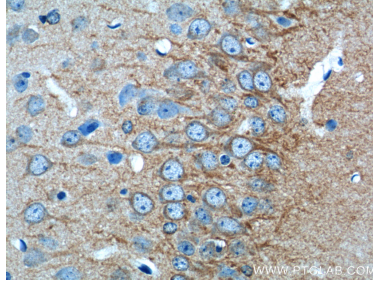
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## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 20969-1-AP (CACNG2 Antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 20969-1-AP (CACNG2 Antibody) at dilution of 1:50 (under 40x lens).