

For Research Use Only

# CACNG2 Polyclonal antibody

Catalog Number: 20969-1-AP



## Basic Information

### Catalog Number:

20969-1-AP

### Size:

150ul, Concentration: 800 ug/ml by Nanodrop and 333 ug/ml by Bradford method using BSA as the standard;

### 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

### Positive Controls:

IHC : mouse brain tissue,

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

## 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

\*\*\* 20ul sizes contain 0.1% BSA

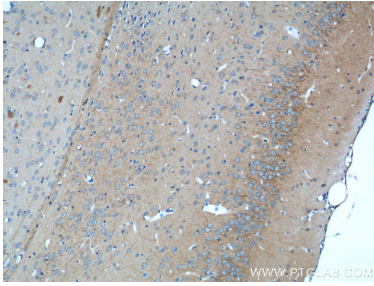
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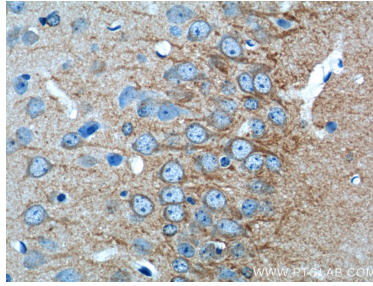
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## Selected Validation Data



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).