



## Rabbit Anti-CACNG3 antibody

SL12059R

<b>Product Name:</b>	CACNG3
<b>Chinese Name:</b>	神经元电压门控钙通道 $\gamma$ 3/L-type $Ca^{++}$ CP $\gamma$ 3抗体
<b>Alias:</b>	CACNG 3; Cacng2; Calcium channel voltage dependent gamma subunit 3; Neuronal voltage gated calcium channel gamma 3 subunit; Voltage dependent calcium channel gamma 3 subunit; Voltage gated calcium channel gamma subunit; CCG3 HUMAN.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Dog,Pig,Cow,Horse,Rabbit,Guinea Pig,
<b>Applications:</b>	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	36kDa
<b>Cellular localization:</b>	The cell membrane
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human CACNG3:151-250/315<Extracellular>
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	CACNG3 belongs to the PMP-22/EMP/MP20 family, CACNG subfamily. It is thought to stabilize the calcium channel in an inactivated (closed) state. CACNG3 is a candidate gene for a familial infantile convulsive disorder with paroxysmal choreoathetosis.

**Function:**

Regulates the trafficking and gating properties of AMPA-selective glutamate receptors (AMPA-Rs). Promotes their targeting to the cell membrane and synapses and modulates their gating properties by slowing their rates of activation, deactivation and desensitization. Does not show subunit-specific AMPA receptor regulation and regulates all AMPAR subunits. Thought to stabilize the calcium channel in an inactivated (closed) state (By similarity).

**Subunit:**

The L-type calcium channel is composed of five subunits: alpha-1, alpha-2/delta, beta and gamma. Acts as an auxiliary subunit for AMPA-selective glutamate receptors (AMPA-Rs). Found in a complex with GRIA1, GRIA2, GRIA3, GRIA4, CNIH2, CNIH3, CACNG2, CACNG4, CACNG5, CACNG7 and CACNG8 (By similarity).

**Subcellular Location:**

Membrane; Multi-pass membrane protein.

**Similarity:**

Belongs to the PMP-22/EMP/MP20 family. CACNG subfamily.

**SWISS:**

Q0VD05

**Gene ID:**

10368

**Database links:**

[Entrez Gene: 538496](#)Cow

[Entrez Gene: 10368](#)Human

[Entrez Gene: 54376](#)Mouse

[Entrez Gene: 140724](#)Rat

[Omim: 606403](#)Human

[SwissProt: Q0VD05](#)Cow

[SwissProt: O60359](#)Human

[SwissProt: Q9JJV5](#)Mouse

[SwissProt: Q8VHX0](#)Rat

[Unigene: 7235](#)Human

[Unigene: 444212](#)Mouse

[Unigene: 212756Rat](#)

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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