

# CACNG3 Polyclonal Antibody

Catalog # AP63542

## Product Information

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<b>Application</b>	WB, IHC-P
<b>Primary Accession</b>	<a href="#">O60359</a>
<b>Reactivity</b>	Human, Mouse, Rat
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	35549

## Additional Information

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<b>Gene ID</b>	10368
<b>Other Names</b>	Voltage-dependent calcium channel gamma-3 subunit; Neuronal voltage-gated calcium channel gamma-3 subunit; Transmembrane AMPAR regulatory protein gamma-3; TARP gamma-3
<b>Dilution</b>	WB~~WB: 1:1000-2000 IHC: 1:200-500 IHC-P~~WB: 1:1000-2000 IHC: 1:200-500
<b>Format</b>	PBS, pH 7.4, containing 0.09% (W/V) sodium azide as Preservative and 50% Glycerol.
<b>Storage Conditions</b>	-20°C

## Protein Information

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<b>Name</b>	CACNG3
<b>Function</b>	Regulates the trafficking to the somatodendritic compartment and gating properties of AMPA-selective glutamate receptors (AMPA receptors). 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.
<b>Cellular Location</b>	Membrane; Multi-pass membrane protein. Note=Displays a somatodendritic localization and is excluded from axons in neurons. {ECO:0000250 UniProtKB:Q9JJV5}

## Background

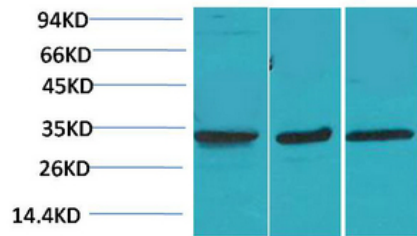
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Regulates the trafficking to the somatodendritic compartment and gating properties of AMPA-selective

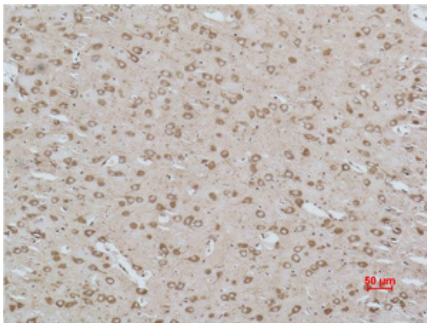
glutamate receptors (AMPA). Promotes their targeting to the cell membrane and synapses and modulates their gating properties by slowing their rates of activation, deactivation and desensitization. Does not show subunit-specific AMPA receptor regulation and regulates all AMPAR subunits. Thought to stabilize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

## Images

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Western blot analysis of 1) Human Brain Tissue, 2) Mouse Brain Tissue, 3) Rat Brain Tissue using CACNG3 Polyclonal Antibody.. Secondary antibody was diluted at 1:20000



Immunohistochemical analysis of paraffin-embedded Rat Brain Tissue using CACNG3 Polyclonal Antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.