

ARG66570 anti-CACNG3 antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes CACNG3
Tested Reactivity	Hu, Ms, Rat
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	CACNG3
Species	Human
Immunogen	Synthetic peptide of Human CACNG3.
Conjugation	Un-conjugated
Alternate Names	TARP gamma-3; Transmembrane AMPAR regulatory protein gamma-3; Voltage-dependent calcium channel gamma-3 subunit; Neuronal voltage-gated calcium channel gamma-3 subunit

Application Instructions

Application table	Application	Dilution
	IHC-P	1:200 - 1:500
	WB	1:1000 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	34 kDa	

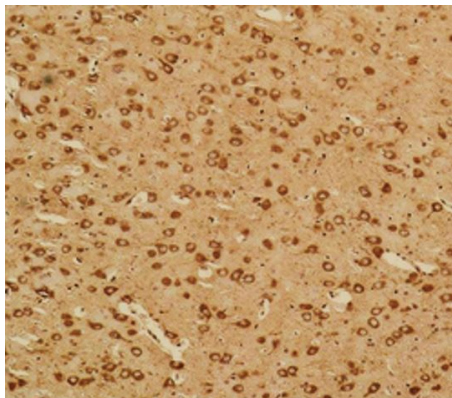
Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS (pH 7.4), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

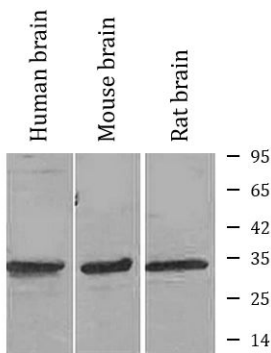
Gene Symbol	CACNG3
Gene Full Name	calcium channel, voltage-dependent, gamma subunit 3
Background	The protein encoded by this gene is a type I transmembrane AMPA receptor regulatory protein (TARP). TARPs regulate both trafficking and channel gating of the AMPA receptors. This gene is part of a functionally diverse eight-member protein subfamily of the PMP-22/EMP/MP20 family. This gene is a susceptibility locus for childhood absence epilepsy. [provided by RefSeq, Dec 2010]
Function	Regulates the trafficking 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 (By similarity). [UniProt]
Calculated Mw	36 kDa
Cellular Localization	Membrane; Multi-pass membrane protein. Note=Displays a somatodendritic localization and is excluded from axons in neurons. [UniProt]

Images



ARG66570 anti-CACNG3 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Rat brain tissue stained with ARG66570 anti-CACNG3 antibody.



ARG66570 anti-CACNG3 antibody WB image

Western blot: Human brain, Mouse brain and Rat brain tissue lysates stained with ARG66570 anti-CACNG3 antibody.