

CACNG5 Antibody (C-term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP6630b

Specification

CACNG5 Antibody (C-term) - Product Information

Application	WB, IHC-P, FC,E
Primary Accession	Q9UF02
Other Accession	Q8VHW8 , Q8VHW4
Reactivity	Human
Predicted	Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit Ig
Calculated MW	30903
Antigen Region	192-220

CACNG5 Antibody (C-term) - Additional Information

Gene ID 27091

Other Names

Voltage-dependent calcium channel gamma-5 subunit, Neuronal voltage-gated calcium channel gamma-5 subunit, Transmembrane AMPAR regulatory protein gamma-5, TARP gamma-5, CACNG5

Target/Specificity

This CACNG5 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 192-220 amino acids from the C-terminal region of human CACNG5.

Dilution

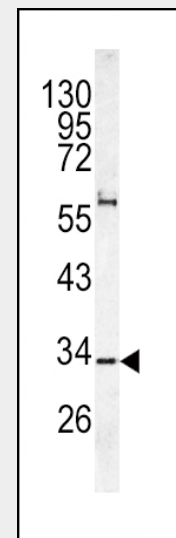
WB~~1:1000
IHC-P~~1:10~50
FC~~1:10~50

Format

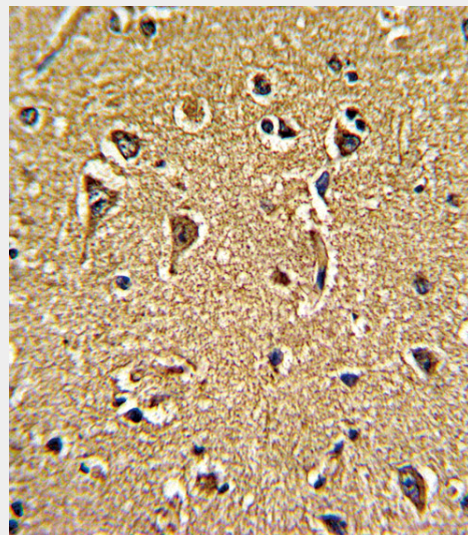
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C



Western blot analysis of CACNG5 antibody (C-term) (Cat. #AP6630b) in K562 cell line lysates (35ug/lane). CACNG5 (arrow) was detected using the purified Pab.



Formalin-fixed and paraffin-embedded human brain tissue reacted with CACNG5 Antibody (C-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has

in small aliquots to prevent freeze-thaw cycles.

Precautions

CACNG5 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

CACNG5 Antibody (C-term) - Protein Information

Name CACNG5

Function

Regulates the gating properties of AMPA-selective glutamate receptors (AMPA receptors). Modulates their gating properties by accelerating their rates of activation, deactivation and desensitization. Displays subunit-specific AMPA receptor regulation. Shows specificity for GRIA1, GRIA4 and the long isoform of GRIA2. Thought to stabilize the calcium channel in an inactivated (closed) state (By similarity).

Cellular Location

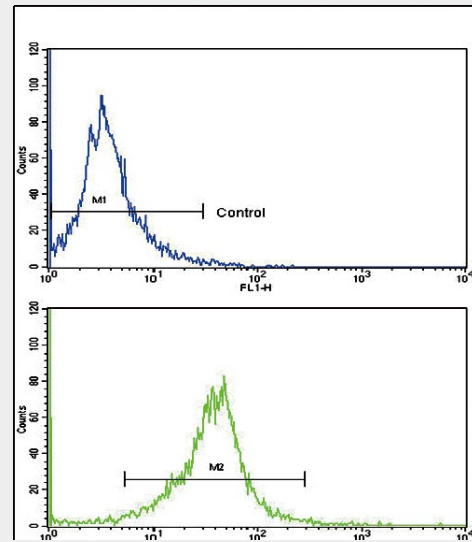
Membrane; Multi-pass membrane protein.
Cell junction, synapse, postsynaptic density membrane

CACNG5 Antibody (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

not been evaluated.



Flow cytometric analysis of K562 cells using CACNG5 Antibody (C-term) (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

CACNG5 Antibody (C-term) - Background

L-type calcium channels are composed of five subunits. The protein CACNG5 represents one of these subunits, gamma, and is one of several gamma subunit proteins. It is an integral membrane protein that is thought to stabilize the calcium channel in an inactive (closed) state.

CACNG5 Antibody (C-term) - References

Chu, P.J., Gene 280 (1-2), 37-48 (2001)