

Anti-CACNG7 Antibody
Rabbit polyclonal antibody to CACNG7
Catalog # AP60437**Specification**

Anti-CACNG7 Antibody - Product Information

Application	WB
Primary Accession	P62955
Other Accession	P62956
Reactivity	Human, Mouse, Rat, Rabbit
Host	Rabbit
Clonality	Polyclonal
Calculated MW	31003

Anti-CACNG7 Antibody - Additional Information**Gene ID** 59284**Other Names**

Voltage-dependent calcium channel gamma-7 subunit; Neuronal voltage-gated calcium channel gamma-7 subunit; Transmembrane AMPAR regulatory protein gamma-7; TARP gamma-7

Target/Specificity

KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human CACNG7. The exact sequence is proprietary.

Dilution

WB~~WB (1/500 - 1/1000)

Format

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

Storage

Store at -20 °C. Stable for 12 months from date of receipt

Anti-CACNG7 Antibody - Protein Information**Name** CACNG7**Function**

Regulates the activity of L-type calcium channels that contain CACNA1C as pore-forming subunit (PubMed:21127204). 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 and by mediating their resensitization. Displays subunit-specific AMPA receptor regulation. Shows specificity only for GRIA1 and GRIA2 (PubMed:21172611)

target="_blank">21172611).

Cellular Location

Cell membrane; Multi-pass membrane protein

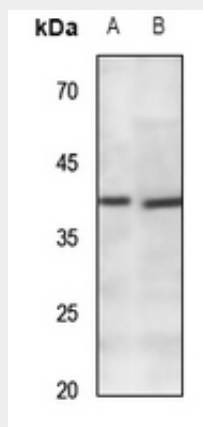
Tissue Location

Detected in heart left ventricle (PubMed:21127204). Widely expressed.

Anti-CACNG7 Antibody - 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](#)

Anti-CACNG7 Antibody - Images

Western blot analysis of CACNG7 expression in HepG2 (A), mouse brain (B) whole cell lysates.

Anti-CACNG7 Antibody - Background

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