

Anti-CACNG7 Antibody

Catalog # AP60437

Product Information

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

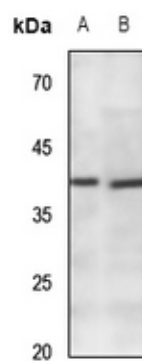
Additional Information

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 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

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).
Cellular Location	Cell membrane; Multi-pass membrane protein
Tissue Location	Detected in heart left ventricle (PubMed:21127204). Widely expressed.

Images



Western blot analysis of CACNG7 expression in HepG2 (A), mouse brain (B) whole cell lysates. (Predicted band size: 31 kD; Observed band size: 42 kD)

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