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Anti-CACNG5 Antibody

Catalog # AP60825

Product Information

Application	WB, IF/IC
Primary Accession	Q9UF02
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	30903

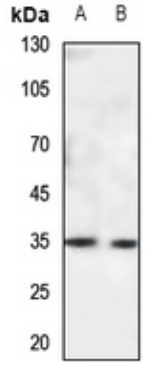
Additional Information

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
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human CACNG5. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/2000) IF/IC~~N/A
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

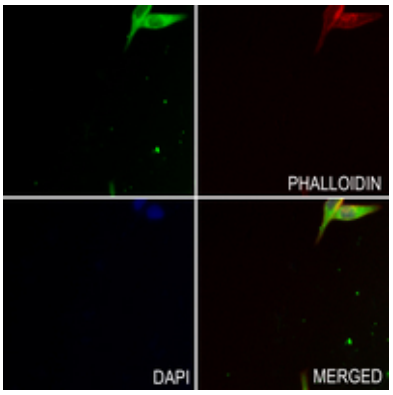
Protein Information

Name	CACNG5
Function	Regulates the gating properties of AMPA-selective glutamate receptors (AMPARs). 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. Postsynaptic density membrane

Images



Western blot analysis of CACNG5 expression in DLD (A), mouse heart (B) whole cell lysates. (Predicted band size: 30 kD; Observed band size: 35 kD)



Immunofluorescent analysis of CACNG5 staining in MCF7 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a hidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

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