

L-type Ca⁺⁺ CP γ 7 Polyclonal Antibody

Catalog # AP70783

Product Information

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

Additional Information

Gene ID	59284
Other Names	CACNG7; Voltage-dependent calcium channel gamma-7 subunit; Neuronal voltage-gated calcium channel gamma-7 subunit; Transmembrane AMPAR regulatory protein gamma-7; TARP gamma-7
Dilution	WB~~Western Blot: 1/500 - 1/2000. ELISA: 1/20000. Not yet tested in other applications. E~~N/A
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
Storage Conditions	-20°C

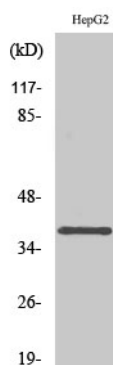
Protein Information

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.

Background

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-Rs). 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](#)).

Images



Western Blot analysis of various cells using L-type Ca⁺⁺ CP γ 7 Polyclonal Antibody diluted at 1 : 1000

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