L-type Ca++ CP γ1 rabbit pAb

Cat#: orb770437 (Manual)

For research use only. Not intended for diagnostic use.

Product Name	L-type Ca++ CP γ1 rabbit pAb
Host species	Rabbit
Applications	WB;ELISA
Species Cross-Reactivity	Human;Mouse;Rat
Recommended dilutions	Western Blot: 1/500 - 1/2000. ELISA: 1/5000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human CACNG1. AA range:137-186
Specificity	L-type Ca++ CP γ1 Polyclonal Antibody detects endogenous levels of L-type Ca++ CP γ1 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide..
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Voltage-dependent calcium channel gamma-1 subunit
Gene Name	CACNG1
Cellular localization	Cell membrane, sarcolemma ; Multi-pass membrane protein .
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal

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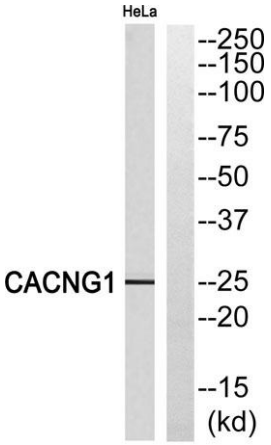
Concentration	1 mg/ml
Observed band	25kD
Human Gene ID	786
Human Swiss-Prot Number	Q06432
Alternative Names	CACNG1; CACNLG; Voltage-dependent calcium channel gamma-1 subunit; Dihydropyridine-sensitive L-type; skeletal muscle calcium channel subunit gamma
Background	calcium voltage-gated channel auxiliary subunit gamma 1(CACNG1) Homo sapiens Voltage-dependent calcium channels are composed of five subunits. The protein encoded by this gene represents one of these subunits, gamma, and is one of two known gamma subunit proteins. This particular gamma subunit is part of skeletal muscle 1,4-dihydropyridine-sensitive calcium channels and is an integral membrane protein that plays a role in excitation-contraction coupling. This gene is part of a functionally diverse eight-member protein subfamily of the PMP-22/EMP/MP20 family and is located in a cluster with two family members that function as transmembrane AMPA receptor regulatory proteins (TARPs). [provided by RefSeq, Dec 2010],



Western blot analysis of CACNG1 Antibody. The lane on the right is blocked with the CACNG1 peptide.

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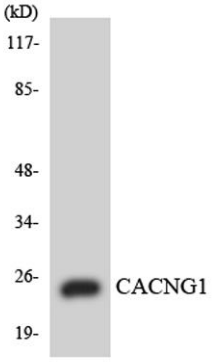

Western blot analysis of the lysates from COLO205 cells using CACNG1 antibody.

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