



L-type Ca^{++} CP γ 1 Polyclonal Antibody

Catalog No	YP-Ab-16461
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;ELISA
Gene Name	CACNG1
Immunogen	The antiserum was produced against synthesized peptide derived from human CACNG1. AA range:137-186
Specificity	L-type Ca^{++} CP γ 1 Polyclonal Antibody detects endogenous levels of L-type Ca^{++} CP γ 1 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	Western Blot: 1/500 - 1/2000. ELISA: 1/5000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	$\geq 90\%$
Storage Stability	-20°C /1 year
Synonyms	Cartilage-inducing factor;CED;Differentiation inhibiting factor;DPD1;LAP;Latency-associated peptide;Prepro transforming growth factor beta 1;TGF beta 1;TGF beta;TGF beta 1 protein;TGF-beta 1 protein;TGF-beta-1;TGF-beta-5;TGF-beta1;TGFB;Tgfb-1;tgb1;TGFB1_HUMAN;TGfbeta;TGfbeta1;Transforming Growth Factor b1;Transforming Growth Factor beta 1;Transforming growth factor beta 1a;transforming growth factor beta-1;transforming growth factor;beta 1;Transforming Growth Factor- β 1;L-type Ca^{++} CP γ 1;CACNG1;Voltage-dependent calcium channel gamma-1 subunit;CACNLG;Dihydropyridine-sensitive L-type;skeletal muscle calcium channel subunit gamma
Observed Band	25kD
Calculated Molecular Weight	25kD
Cell Pathway	Cell membrane, sarcolemma ; Multi-pass membrane protein .
Tissue Specificity	Skeletal muscle.
Function	function:This protein is a subunit of the dihydropyridine (DHP) sensitive calcium channel. Plays a role in excitation-contraction coupling. The skeletal muscle DHP-sensitive $\text{Ca}(2+)$ channel may function only as a multiple subunit complex.,



similarity:Belongs to the PMP-22/EMP/MP20 family. CACNG subfamily.,
subunit:The L-type calcium channel is composed of five subunits: alpha-1, alpha-2/delta, beta and gamma.,tissue specificity:Skeletal muscle.,

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],

matters needing attention

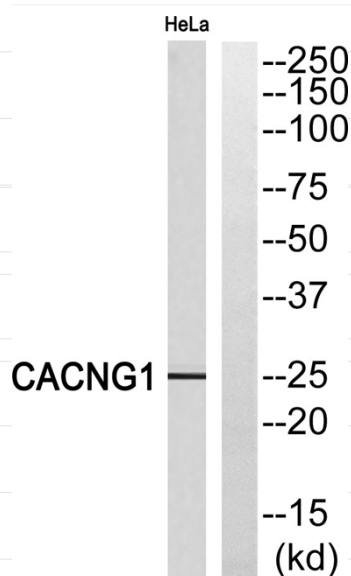
Avoid repeated freezing and thawing!

Usage suggestions

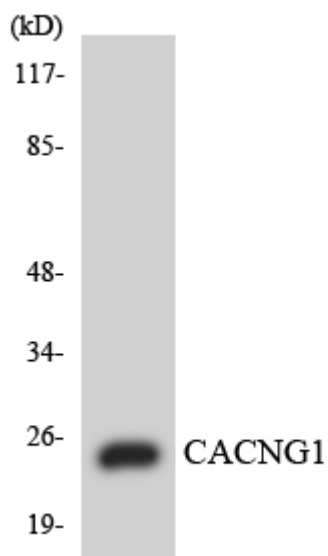
This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



Products Images



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



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