

Datasheet for ABIN513943  
**anti-CACNG1 antibody (AA 1-222)**



[Go to Product page](#)

3 Images

1 Publication

## Overview

Quantity:	50 µg
Target:	CACNG1
Binding Specificity:	AA 1-222
Reactivity:	Human
Host:	Mouse
Clonality:	Polyclonal
Conjugate:	This CACNG1 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS)

## Product Details

Purpose:	Mouse polyclonal antibody raised against a full-length human CACNG1 protein.
Immunogen:	CACNG1 (NP_000718.1, 1 a.a. ~ 222 a.a) full-length human protein.
Sequence:	MSQTKMLKVR VTLFCILAGI VLAMTAVVTD HWAVLSPHME HHNTTCEAAH FGLWRICKR IPMDDSKTCG PITLPGEKNC SYFRHFNPGE SSEIFEFTTQ KEYSISAAA AIFSLGFIIL GSLCVLLSLG KKRDYLLRPA SMFYAFAGLC ILVSVEVMRQ SVKRMIDSED TVWIEYYYSW SFACACAAFI LLFLGGLALL LFSLPRMPRN PWESCMDAEP EH
Cross-Reactivity:	Human
Characteristics:	Antibody reactive against mammalian transfected lysate.

## Target Details

Target:	CACNG1
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## Target Details

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Alternative Name:	CACNG1 ( <a href="#">CACNG1 Products</a> )
Background:	Full Gene Name: calcium channel, voltage-dependent, gamma subunit 1 Synonyms: CACNLG
Gene ID:	786
NCBI Accession:	<a href="#">NM_000727</a>

## Application Details

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Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

## Handling

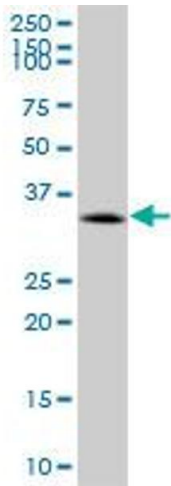
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Buffer:	In 1x PBS, pH 7.4
Handling Advice:	Aliquot to avoid repeated freezing and thawing.
Storage:	-20 °C
Storage Comment:	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## Publications

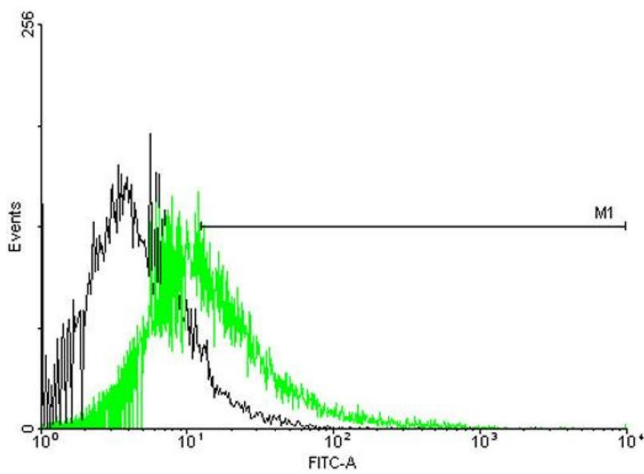
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Product cited in:	Murata, Nishimura, Kuniyasu, Nakayama: "Three-dimensional structure of the alpha1-beta complex in the skeletal muscle dihydropyridine receptor by single-particle electron microscopy." in: <b>Journal of electron microscopy</b> , Vol. 59, Issue 3, pp. 215-26, (2010) ( <a href="#">PubMed</a> ).
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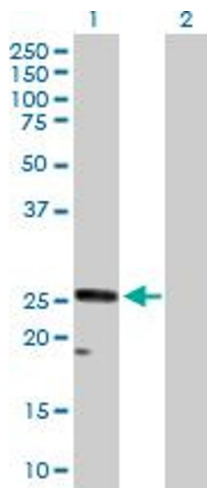
### Western Blotting

**Image 1.** CACNG1 MaxPab polyclonal antibody. Western Blot analysis of CACNG1 expression in K-562.



### Flow Cytometry

**Image 2.** FACS analysis of negative control 293 cells (Black) and CACNG1 expressing 293 cells (Green) using CACNG1 purified MaxPab mouse polyclonal antibody.



### Western Blotting

**Image 3.** Western Blot analysis of CACNG1 expression in transfected 293T cell line by CACNG1 MaxPab polyclonal antibody.

Lane 1: CACNG1 transfected lysate(24.42 KDa).

Lane 2: Non-transfected lysate.