

# L-type Ca++ CP Gamma1 Polyclonal Antibody

### Description

Product type Primary Antibody

Code BT-AP05105

Host Rabbit

Isotype IgG

Size 20ul, 50ul, 100ul

Immunogen The antiserum was produced against synthesized peptide derived from human CACNG1. AA range:137-

186

Mol wt 25028

Species reactivity Human, Mouse, Rat

Clonality Polyclonal

Recommended application WB, ELISA

Concentration 1 mg/ml

Full name L-type Ca++ CP gamma1 Antibody

Synonyms CACNG1; CACNLG; Voltage-dependent calcium channel gamma-1 subunit; Dihydropyridine-sensitive L-

type; skeletal muscle calcium channel subunit gamma

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

#### Background

Voltage-dependent calcium channels are composed of five subunits. The protein encoded by CACNG1 (calcium voltage-gated channel auxiliary subunit gamma 1) 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. CACNG1 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).

#### **Recommended Dilution**

WB: 1: 500 - 1: 2000 ELISA: 1: 5000

Not yet tested in other applications.

# Images

No images.

## Storage

-20°C for one year