CACNG1 polyclonal antibody

Catalog: BS5785 Host: Rabbit Reactivity: Human,Mouse,Rat

BackGround:

Voltage-dependent calcium channels are essential for the release of neurotransmitters. L-type (long lasting current) voltage-dependent calcium channels are composed of four subunits: an α1 subunit, a β subunit, a γ subunit and an α2δ subunit. The β subunit is encoded by four genes, designated β1-β4, all of which contribute to the diversity of calcium currents and are involved in membrane trafficking of the α1 subunit. L-type Ca ++ CP γ1, also known as CACNLG or CACNG1, is a 222 amino acid multi-pass membrane protein belonging to the PMP-22/EMP/MP20 family. Expressed in skeletal muscle, L-type Ca ++ CP γ1 is a subunit of the dihydropyridine (DHP) sensitive calcium channel and may play a role in excitation-contraction coupling. L-type Ca++ CP γ1 is considered a novel marker for malignant hyperthermia susceptibility (MHS), an autosomal dominant disorder of skeletal muscle which manifests as a life-threatening hypermetabolic crisis triggered by commonly used inhalation anaesthetics and depolarizing muscle relaxants.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

~ 25 kDa

Swiss-Prot:

Q06432

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:500~1:1000

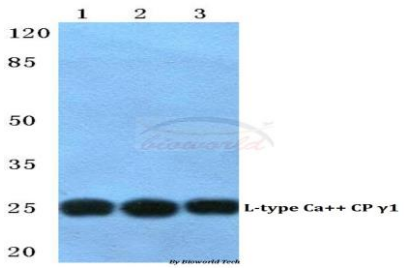
Storage&Stability:

Store at 4℃ short term. Aliquot and store at -20℃ long term. Avoid freeze-thaw cycles.

Specificity:

CACNG1 polyclonal antibody detects endogenous levels of CACNG1 protein.

DATA:



Western blot (WB) analysis of CACNG1 polyclonal antibody at 1:500 dilution

Lane1:Hela cell lysate

Lane2:sp2/0 cell lysate

Lane3:H9C2 cell lysate

Note:

For research use only, not for use in diagnostic procedure.

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