

Product datasheet for **TA308503**

CACNG5 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB:1:500-1:3000
Reactivity:	Human (Predicted: Mouse, Rat)
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Recombinant fragment contain a sequence corresponding to a region within amino acids 43 and 246 of CACNG5 (Uniprot ID#Q9UF02)
Formulation:	0.1M Tris, 0.1M Glycine, 10% Glycerol (pH7). 0.01% Thimerosal was added as a preservative.
Concentration:	lot specific
Purification:	Purified by antigen-affinity chromatography.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	33 kDa
Gene Name:	calcium voltage-gated channel auxiliary subunit gamma 5
Database Link:	NP_055219 Entrez Gene 140723 MouseEntrez Gene 140726 RatEntrez Gene 27091 Human Q9UF02

Background: L-type calcium channels are composed of five subunits. The protein encoded by this gene represents one of these subunits, gamma, and is one of several gamma subunit proteins. It is an integral membrane protein that is thought to stabilize the calcium channel in an inactive (closed) state. This gene is a member of the neuronal calcium channel gamma subunit gene subfamily of the PMP-22/EMP/MP20 family and is located in a cluster with two similar gamma subunit-encoding genes. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]



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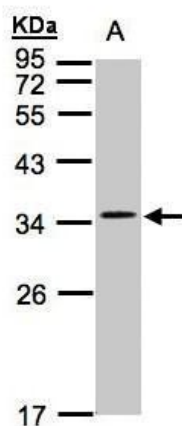
Synonyms: calcium channel; gamma subunit 5; MGC126656; MGC126682; neuronal voltage-gated calcium channel gamma-5 subunit; voltage-dependent; voltage-dependent calcium channel gamma-5 subunit

Note: Seq homology of immunogen across species: mouse (91%), Rat (91%)

Protein Families: Druggable Genome, Transmembrane

Protein Pathways: Arrhythmogenic right ventricular cardiomyopathy (ARVC), Cardiac muscle contraction, Dilated cardiomyopathy, Hypertrophic cardiomyopathy (HCM), MAPK signaling pathway

Product images:



Sample (30 ug whole cell lysate). A:Hep G2. 12% SDS PAGE. TA308503 diluted at 1:1000