

## **CCG8 Polyclonal Antibody**

Catalog No: YN1524

**Reactivity:** Human; Mouse; Rat

**Applications:** WB;ELISA

Target: CCG8

**Fields:** >>MAPK signaling pathway;>>Cardiac muscle contraction;>>Adrenergic

signaling in cardiomyocytes;>>Oxytocin signaling pathway;>>Hypertrophic cardiomyopathy;>>Arrhythmogenic right ventricular cardiomyopathy;>>Dilated

cardiomyopathy

Gene Name: CACNG8 CACNG6

Protein Name: Voltage-dependent calcium channel gamma-8 subunit (Neuronal voltage-gated

calcium channel gamma-8 subunit) (Transmembrane AMPAR regulatory protein

gamma-8) (TARP gamma-8)

Human Gene Id: 59283

Human Swiss Prot Q8WXS5

No:

**Mouse Swiss Prot** 

No:

Rat Swiss Prot No: Q8VHW5

**Immunogen:** Synthesized peptide derived from human protein . at AA range: 140-220

**Specificity:** CCG8 Polyclonal Antibody detects endogenous levels of protein.

**Formulation :** Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.

Source: Polyclonal, Rabbit, IgG

**Dilution:** WB 1:500-2000 ELISA 1:5000-20000

Q8VHW2

**Purification:** The antibody was affinity-purified from rabbit antiserum by affinity-



chromatography using epitope-specific immunogen.

Concentration: 1 mg/ml

Storage Stability: -15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band: 46kD

Cell Pathway: MAPK\_ERK\_Growth;MAPK\_G\_Protein;Cardiac muscle

contraction; Hypertrophic cardiomyopathy (HCM); Arrhythmogenic right ventricular

cardiomyopathy (ARVC); Dilated cardiomyopathy;

**Background:** calcium voltage-gated channel auxiliary subunit gamma 8(CACNG8) Homo

sapiens The protein encoded by this gene is a type I transmembrane AMPA receptor regulatory protein (TARP). TARPs regulate both trafficking and channel gating of the AMPA receptors. This gene is part of a functionally diverse eightmember protein subfamily of the PMP-22/EMP/MP20 family and is located in a cluster with two family members, a type II TARP and a calcium channel gamma subunit. The mRNA for this gene is believed to initiate translation from a non-AUG

(CUG) start codon. [provided by RefSeq, Dec 2010],

**Function:** function: Thought to stabilize the calcium channel in an inactivated (closed)

state., 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.,

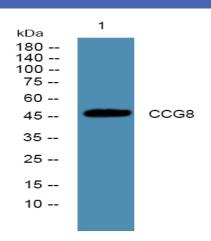
Subcellular Location:

Cell membrane ; Multi-pass membrane protein . Cell junction, synapse,

postsynaptic density membrane.

**Expression:** Detected in heart left ventricle.

## **Products Images**



Western blot analysis of lysates from A431 cells, primary antibody was diluted at 1:1000, 4° over night