

Rabbit CACNG6 Polyclonal Antibody | anti-CACNG6 antibody

CACNG6 Antibody (Center)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA285966	Rabbit	Human (Predicted Reactivity: Mouse)	Immunohistochemistry, Western Blot, ELISA, Immunofluorescence

PRODUCT SYNONYMS

CACNG6; Polyclonal Antibody; CACNG6 Antibody (Center); Voltage-dependent calcium channel gamma-6 subunit; Neuronal voltage-gated calcium channel gamma-6 subunit; anti-CACNG6 antibody

PRODUCT SPECIFICATIONS

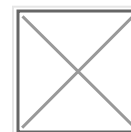
Host	Rabbit
Reactivity	Human (Predicted Reactivity: Mouse)
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	This CACNG6 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 108-136 amino acids from the Central region of human CACNG6.
Purity/Purification	This antibody is purified through a protein A column, followed by peptide affinity purification.
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Sequence Positions	108-136
Sequence Length	189
Applicable Applications for anti-CACNG6 antibody	IHC (Immunohistochemistry), WB (Western Blot), ELISA, IF (Immunofluorescence)
Function	Regulates the activity of L-type calcium channels that contain CACNA1C as pore-forming subunit.
Cellular Location	Cell membrane; Multi-pass membrane protein
Tissue Location	Detected in heart left ventricle.
Preparation and Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IF (Immunofluorescence)

Confocal immunofluorescent analysis of CACNG6 Antibody (Center) with HepG2 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).



IHC (Immunohistochemistry)

CACNG6 Antibody (Center) immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of CACNG6 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)

CACNG6 Antibody (Center) western blot analysis in HepG2 cell line lysates (35ug/lane). This demonstrates the CACNG6 antibody detected the CACNG6 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-CACNG6 antibody	Voltage-dependent calcium channels are composed of five subunits. The protein encoded by this gene represents one of these subunits, gamma, and is one of two known gamma subunit proteins. This particular gamma subunit is an integral membrane protein that is thought to stabilize the calcium channel in an inactive (closed) state. This gene 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). Alternative splicing results in multiple transcript variants. Variants in this gene have been associated with aspirin-intolerant asthma.
Product Categories/Family for anti-CACNG6 antibody	Neuroscience; Signal Transduction
References	Lee, J.S., et al. BMC Med. Genet. 11, 138 (2010) : Chen, R.S., et al. Cell Biochem. Biophys. 47(2):178-186(2007) Chu, P.J., et al. Gene 280 (1-2), 37-48 (2001) : Burgess, D.L., et al. Genomics 71(3):339-350(2001)

NCBI AND UNIPROT INFORMATION

NCBI GI #	22027560
NCBI GeneID	59285
NCBI Accession #	NP_114103.2 ; NP_665813.1 ; NP_665814.1
NCBI GenBank Nucleotide #	NM_031897.2
UniProt Accession #	Q9BXT2
Molecular Weight	28129
NCBI Official Full Name	voltage-dependent calcium channel gamma-6 subunit isoform c
NCBI Official Synonym Full Names	calcium channel, voltage-dependent, gamma subunit 6
NCBI Official Symbol	CACNG6
NCBI Protein Information	voltage-dependent calcium channel gamma-6 subunit
UniProt Protein Name	Voltage-dependent calcium channel gamma-6 subunit
UniProt Gene Name	CACNG6
UniProt Entry Name	CCG6_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.