

Rabbit CACNG1 Polyclonal Antibody | anti-CACNG1 antibody

CACNG1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA325254	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

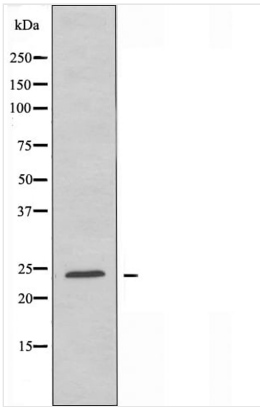
PRODUCT SYNONYMS

CACNG1; Polyclonal Antibody; CACNG1 Antibody; CACNLG; CACNLG calcium channel neuronal dihydropyridine sensitive gamma subunit; Calcium channel L type gamma polypeptide; Calcium channel voltage dependent gamma subunit 1; CCG1_HUMAN; Dihydropyridine sensitive L type skeletal muscle calcium channel gamma subunit; Dihydropyridine sensitive L type skeletal muscle calcium channel subunit gamma; Dihydropyridine-sensitive L-type; fb43f02; fi19g08; L type calcium channel gamma polypeptide; MGC117703; skeletal muscle calcium channel subunit gamma; Voltage dependent calcium channel gamma 1 subunit 2; Voltage-dependent calcium channel gamma-1 subunit; wu:fb43f02; zgc:55364; anti-CACNG1 antibody

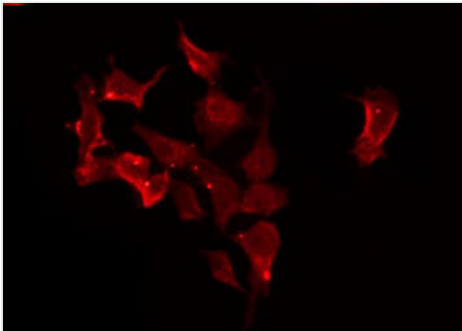
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	CACNG1 antibody detects endogenous levels of total CACNG1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	222
Applicable Applications for anti-CACNG1 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Membrane.
Tissue Specificity	Skeletal muscle.
Predicted Cross Reactivity	Pig, Bovine, Horse, Rabbit, Dog, Chicken, Xenopus
Similarity	Pig (100%), Bovine (82%), Horse (100%), Rabbit (100%), Dog (91%), Chicken (100%), Xenopus (82%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

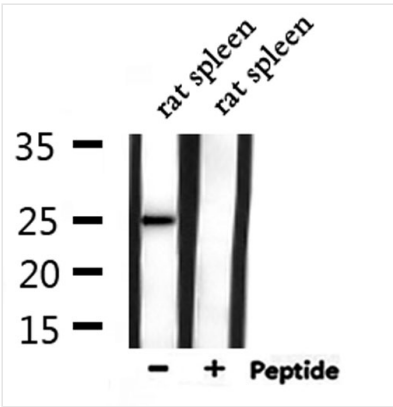
IMAGES



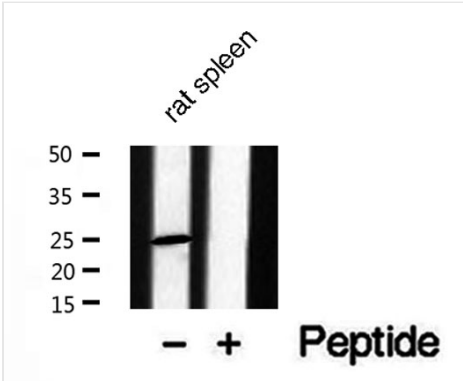
WB (Western Blot)
Western blot analysis of extracts from HeLa cells, using CACNG1 antibody.



IF (Immunofluorescence)
AAA325254 staining HeLa by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.



WB (Western Blot)
Western blot analysis of extracts from rat spleen, using CACNG1 Antibody.



WB (Western Blot)
Western blot analysis of extracts from Rat spleen lysate, using CACNG1 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-CACNG1 antibody	Function: This protein is a subunit of the dihydropyridine (DHP) sensitive calcium channel. Plays a role in excitation-contraction coupling. The skeletal muscle DHP-sensitive Ca²⁺ channel may function only as a multiple subunit complex. Subunit Structure: The L-type calcium channel is composed of five subunits: alpha-1, alpha-2/delta, beta and gamma. Similarity: Belongs to the PMP-22/EMP/MP20 family. CACNG subfamily.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4502539
NCBI GeneID	786
NCBI Accession #	NP_000718.1
NCBI GenBank Nucleotide #	NM_000727.3
UniProt Accession #	Q06432; Q14D59; B2R9N3
Molecular Weight	Observed: 25 kD Predicted: 26 kDa
NCBI Official Full Name	voltage-dependent calcium channel gamma-1 subunit
NCBI Official Synonym Full Names	calcium voltage-gated channel auxiliary subunit gamma 1

NCBI Official Symbol	CACNG1
NCBI Official Synonym Symbols	CACNLG
NCBI Protein Information	voltage-dependent calcium channel gamma-1 subunit
UniProt Protein Name	Voltage-dependent calcium channel gamma-1 subunit
UniProt Gene Name	CACNG1

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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/cacng1-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/325254>