

ARG64692
anti-CACNA1C antibodyPackage: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes CACNA1C
Tested Reactivity	Hu
Tested Application	WB
Specificity	This antibody is expected to recognise all reported human isoforms.
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	CACNA1C
Species	Human
Immunogen	C-RARGRPSEELQD
Conjugation	Un-conjugated
Alternate Names	CCHL1A1; CaV1.2; CACN2; CACNL1A1; TS; Calcium channel, L type, alpha-1 polypeptide, isoform 1, cardiac muscle; Voltage-dependent L-type calcium channel subunit alpha-1C; CACH2; LQT8; Voltage-gated calcium channel subunit alpha Cav1.2

Application Instructions

Application table	Application	Dilution
	WB	1.0 - 3.0 µg/ml
Application Note	WB: Recommend incubate at RT for 1h. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

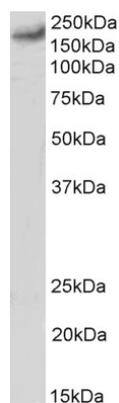
Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links	GeneID: 775 Human Swiss-port # Q13936 Human
Background	This gene encodes an alpha-1 subunit of a voltage-dependent calcium channel. Calcium channels mediate the influx of calcium ions into the cell upon membrane polarization. The alpha-1 subunit consists of 24 transmembrane segments and forms the pore through which ions pass into the cell. The calcium channel consists of a complex of alpha-1, alpha-2/delta, beta, and gamma subunits in a 1:1:1:1 ratio. There are multiple isoforms of each of these proteins, either encoded by different genes or the result of alternative splicing of transcripts. The protein encoded by this gene binds to and is inhibited by dihydropyridine. Alternative splicing results in many transcript variants encoding different proteins. [provided by RefSeq, Jul 2008]
Research Area	Cancer antibody; Cell Biology and Cellular Response antibody; Metabolism antibody; Neuroscience antibody; Signaling Transduction antibody
Calculated Mw	249 kDa
PTM	Phosphorylation by PKA activates the channel.

Images



ARG64692 anti-CACNA1C antibody WB image

Western blot: 35 µg of Human heart lysate (in RIPA buffer) stained with ARG64692 anti-CACNA1C antibody at 1 µg/ml dilution and incubated at RT for 1 hour.