Datasheet for ABIN7175590

anti-CACNA1D antibody (AA 1691-1806)

1 Image

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Overview

Quantity:	100 µL
Target:	CACNA1D
Binding Specificity:	AA 1691-1806
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CACNA1D antibody is un-conjugated
Application:	Immunofluorescence (IF), ELISA

Product Details

Immunogen:	Recombinant Human Voltage-dependent L-type calcium channel subunit alpha-1D protein (1691-1806AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	CACNA1D
Alternative Name:	CACNA1D (CACNA1D Products)
Background:	Background: Voltage-sensitive calcium channels (VSCC) mediate the entry of calcium ions into

Target Details

	excitable cells and are also involved in a variety of calcium-dependent processes, including muscle contraction, hormone or neurotransmitter release, gene expression, cell motility, cell division and cell death. The isoform alpha-1D gives rise to L-type calcium currents. Long-lasting (L-type) calcium channels belong to the \'high-voltage activated\' (HVA) group. They are blocked by dihydropyridines (DHP), phenylalkylamines, benzothiazepines, and by omega-agatoxin-IIIA (omega-Aga-IIIA). They are however insensitive to omega-conotoxin-GVIA (omega-CTx-GVIA) and omega-agatoxin-IVA (omega-Aga-IVA). Aliases: alpha-1 polypeptide antibody, CAC1D_HUMAN antibody, CACH3 antibody, CACN4 antibody, CACNA 1D antibody, Cacna1d antibody, CACNL1A2 antibody, Calcium channel antibody, Calcium channel L type alpha 1 polypeptide isoform 2 antibody, Calcium channel neuroendocrine/brain type alpha 1 subunit antibody, Calcium channel voltage dependent L type alpha 1 antibody, Calcium channel voltage dependent L type alpha 1D subunit antibody, Cav1.3 antibody, CCHL1A2 antibody, isoform 2 antibody, L type antibody, PASNA antibody, SANDD antibody, Voltage dependent L type calcium channel subunit alpha 1D antibody, Voltage gated calcium channel alpha 1 subunit antibody, Voltage gated calcium channel alpha subunit Cav1.3 antibody, Voltage gated calcium channel subunit alpha Cav1.3 antibody, Voltage-dependent L-type calcium channel subunit alpha-1D antibody, Voltage-gated calcium channel subunit alpha Cav1.3 antibody
UniProt:	Q01668
Pathways:	Sensory Perception of Sound

Application Details

Application Notes:	Recommended dilution: IF:1:50-1:200,
Restrictions:	For Research Use only

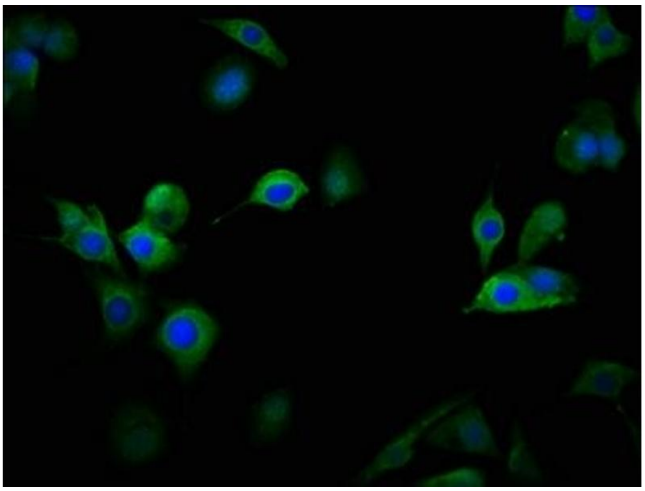
Handling

Format:	Liquid
Buffer:	Preservative: 0.03 % Proclin 300 Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

Images



Immunofluorescence

Image 1. Immunofluorescence staining of MCF-7 cells with ABIN7175590 at 1:100, counter-stained with DAPI. The cells were fixed in 4 % formaldehyde, permeabilized using 0.2 % Triton X-100 and blocked in 10 % normal Goat Serum. The cells were then incubated with the antibody overnight at 4 °C. The secondary antibody was Alexa Fluor 488-congugated AffiniPure Goat Anti-Rabbit IgG(H+L).