Datasheet for ABIN7175614

anti-CACNA1H antibody (AA 260-360) (Biotin)

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Overview

Quantity:	100 µg
Target:	CACNA1H
Binding Specificity:	AA 260-360
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CACNA1H antibody is conjugated to Biotin
Application:	ELISA

Product Details

Immunogen:	Recombinant Human Voltage-dependent T-type calcium channel subunit alpha-1H protein (260-360AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	CACNA1H
Alternative Name:	CACNA1H (CACNA1H 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-1H gives rise to T-type calcium currents. T-type calcium channels belong to the \"low-voltage activated (LVA)\" group and are strongly blocked by nickel and mibefradil. A particularity of this type of channels is an opening at quite negative potentials, and a voltage-dependent inactivation. T-type channels serve pacemaking functions in both central neurons and cardiac nodal cells and support calcium signaling in secretory cells and vascular smooth muscle. They may also be involved in the modulation of firing patterns of neurons which is important for information processing as well as in cell growth processes. In the adrenal zona glomerulosa, participates in the signaling pathway leading to aldosterone production in response to either AGT/angiotensin II, or hyperkalemia (PubMed:25907736, PubMed:27729216). Aliases: Alpha1 3.2 antibody, Alpha13.2 antibody, CAC1H_HUMAN antibody, CACNA 1H antibody, CACNA1 H antibody, CACNA1 HB antibody, Cacna1h antibody, CACNA1HB antibody, Calcium channel alpha13.2 subunit antibody, Calcium channel voltage dependent T type alpha 1H subunit antibody, Calcium channel, voltage-dependent, T type, alpha 1Hb subunit antibody, Cav 3.2 antibody, Cav T.2 antibody, Cav3.2 antibody, CavT.2 antibody, EIG 6 antibody, EIG6 antibody, Low voltage activated calcium channel alpha 13.2 subunit antibody, Low voltage activated calcium channel alpha1 3.2 subunit antibody, Low-voltage-activated calcium channel alpha1 3.2 subunit antibody, MNCb 1209 antibody, T type Cav3.2 antibody, Voltage dependent t type calcium channel alpha 1H subunit antibody, Voltage gated calcium channel alpha subunit Cav 3.2 antibody, Voltage gated calcium channel alpha subunit Cav T.2 antibody, Voltage gated calcium channel alpha subunit Cav3.2 antibody, Voltage gated calcium channel alpha subunit CavT.2 antibody, Voltage-dependent T-type calcium channel subunit alpha-1H antibody, Voltage-gated calcium channel subunit alpha Cav3.2 antibody
UniProt:	O95180
Pathways:	C21-Steroid Hormone Metabolic Process

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid

Handling

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