

Datasheet for ABIN7175612
anti-CACNA1H antibody (AA 260-360)



[Go to Product page](#)

2 Images

Overview

Quantity:	100 µL
Target:	CACNA1H
Binding Specificity:	AA 260-360
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CACNA1H antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Immunofluorescence (IF), ELISA

Product Details

Immunogen:	Recombinant Human Voltage-dependent T-type calcium channel subunit alpha-1H protein (260-360AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	Antigen Affinity 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.

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: Recommended dilution: IHC:1:20-1:200, IF:1:50-1:200,

Restrictions: For Research Use only

Handling

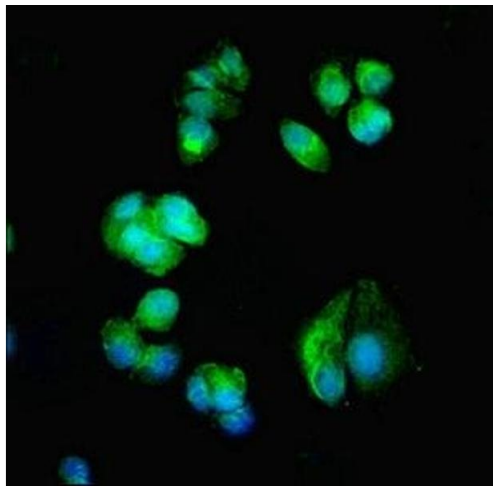
Format: Liquid

Buffer: PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3.

Handling

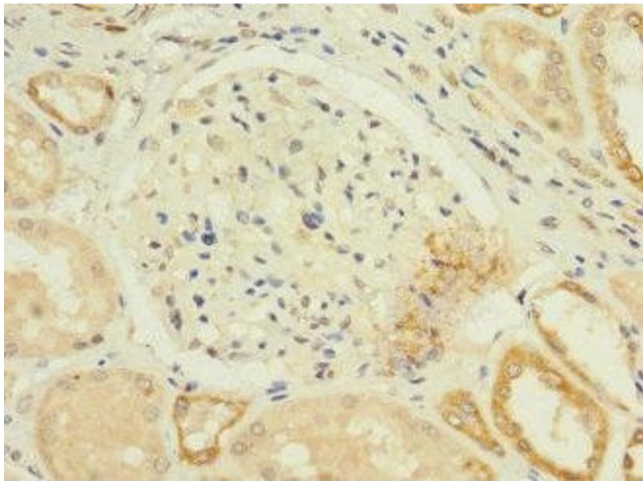
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

Images



Immunofluorescence

Image 1. Immunofluorescent analysis of MCF-7 cells using ABIN7175612 at dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



Immunohistochemistry

Image 2. Immunohistochemistry of paraffin-embedded human kidney tissue using ABIN7175612 at dilution of 1:100