

Rabbit anti-Human CACNA1H Polyclonal Antibody | anti-CACNA1H antibody

CACNA1H Antibody

CATALOG # AAA231384	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, ELISA
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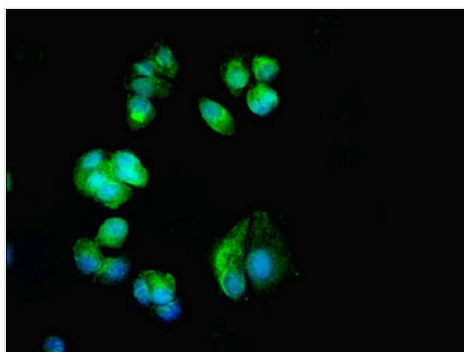
PRODUCT SYNONYMS

CACNA1H; Polyclonal Antibody; CACNA1H Antibody; Voltage-dependent T-type calcium channel subunit alpha-1H; Low-voltage-activated calcium channel alpha1 3.2 subunit; Voltage-gated calcium channel subunit alpha Cav3.2; anti-CACNA1H antibody

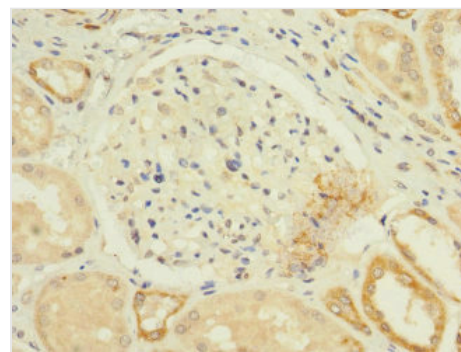
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid
Sequence Length	2347
Applicable Applications for anti-CACNA1H antibody	IHC (Immunohistochemistry), ELISA
Species	Human
Immunogen	Recombinant human Voltage-dependent T-type calcium channel subunit alpha-1H protein (260-360AA)
Conjugate	Non-conjugated
Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-16263 / sc-16261 / sc-28616 / sc-25691
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES


IF (Immunofluorescence)

Immunofluorescent analysis of MCF-7 cells using AAA231384 at a dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)


IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human kidney tissue AAA231384 at dilution 1:100

ADDITIONAL INFORMATION

Related Product Information for anti-CACNA1H antibody	Voltage-sensitive calcium channels (VSCC) mediate the entry of calcium ions into 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	53832011
NCBI GeneID	8912
NCBI Accession #	NP_001005407.1
NCBI GenBank Nucleotide #	NM_001005407.1
UniProt Accession #	O95180; O95802; Q8WWI6; Q96QI6; Q96RZ9; Q9NYY4; Q9NYY5; B5ME00; F8WFD1
Molecular Weight	258,545 Da
NCBI Official Full Name	voltage-dependent T-type calcium channel subunit alpha-1H isoform b
NCBI Official Synonym Full Names	calcium voltage-gated channel subunit alpha1 H
NCBI Official Symbol	CACNA1H
NCBI Official Synonym Symbols	ECA6; EIG6; HALD4; Cav3.2; CACNA1HB
NCBI Protein Information	voltage-dependent T-type calcium channel subunit alpha-1H
UniProt Protein Name	Voltage-dependent T-type calcium channel subunit alpha-1H
UniProt Gene Name	CACNA1H
UniProt Entry Name	CAC1H_HUMAN

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/cacna1h-antibody-immunohistochemistry-elisa/231384>