

Rabbit CaV1.3 Polyclonal Antibody | anti-CACNA1D antibody

Anti-CaV1.3 antibody

CATALOG # AAA45648	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Western Blot
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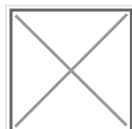
PRODUCT SYNONYMS

CaV1.3; Polyclonal Antibody; Anti-CaV1.3 antibody; Voltage-dependent L-type calcium channel subunit alpha-1D; calcium channel; voltage-dependent; L type; alpha 1D subunit; 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; anti-CACNA1D antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized
Sequence Length	2161
Applicable Applications for anti-CACNA1D antibody	WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human CaV1.3 (2146-2161aa RDEEDLADEMICITTL), different from the related mouse and rat sequences by one amino acid.
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg Na ₃ .
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



WB (Western Blot)

Anti-CaV1.3 antibody, AAA45648, All Western blottingAll lanes: Anti-CACNA1D(AAA45648) at 0.5ug/mlLane 1: Rat Brain Tissue Lysate at 40ugPredicted bind size: 245KDObserved bind size: 245KD

ADDITIONAL INFORMATION

Related Product Information for anti-CACNA1D antibody	Description: Rabbit IgG polyclonal antibody for Voltage-dependent L-type calcium channel subunit alpha-1D(CACNA1D) detection. Tested with WB in Human, Mouse, Rat. Background: Cav1.3, also known as the calcium channel, voltage-dependent, L type, alpha 1D subunit(CACNA1D), is a human gene. It is mapped to 3p21.1. Voltage-dependent calcium channels 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, and gene expression. Alpha-1D subunit can mediate DHP-sensitive, high voltage-activated, long-lasting calcium channel activity. CACNA1D can form L-type calcium channels with negative activation thresholds which is essential for normal auditory function and controlling of cardiac pacemaker activity.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	116241275
NCBI GeneID	776
UniProt Accession #	Q01668; Q13916; Q13931; Q71UT1; Q9UDC3; B0FYA3
Molecular Weight	242,417 Da
NCBI Official Full Name	Voltage-dependent L-type calcium channel subunit alpha-1D
NCBI Official Synonym Full Names	calcium channel, voltage-dependent, L type, alpha 1D subunit
NCBI Official Symbol	CACNA1D
NCBI Official Synonym Symbols	CACH3; CACN4; PASNA; SANDD; Cav1.3; CCHL1A2; CACNL1A2
NCBI Protein Information	voltage-dependent L-type calcium channel subunit alpha-1D; voltage-gated calcium channel alpha 1 subunit; voltage-gated calcium channel alpha subunit Cav1.3; calcium channel, L type, alpha-1 polypeptide, isoform 2; calcium channel, neuroendocrine/brain-type, alpha 1 subunit
UniProt Protein Name	Voltage-dependent L-type calcium channel subunit alpha-1D
UniProt Gene Name	CACNA1D
UniProt Synonym Gene Names	CACH3; CACN4; CACNL1A2; CCHL1A2
UniProt Entry Name	CAC1D_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.