

Datasheet for ABIN6992083

anti-CACNA1H antibody (AA 1010-1060)[Go to Product page](#)

Overview

Quantity:	0.1 mg
Target:	CACNA1H
Binding Specificity:	AA 1010-1060
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CACNA1H antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	CACNA1H antibody was raised against a 16 amino acid peptide near the center of human CACNA1H. The immunogen is located within amino acids 1010 - 1060 of CACNA1H.
Isotype:	IgG
Specificity:	CACNA1H antibody is human, mouse and rat reactive. Multiple isoforms of CACNA1H are known to exist.
Purification:	CACNA1H antibody is affinity chromatography purified via peptide column.

Target Details

Target:	CACNA1H
Alternative Name:	CACNA1H (CACNA1H Products)

Target Details

Background:	The calcium channel protein CACNA1H is a T-type member of the alpha-1 subunit family that is part of the voltage-dependent calcium channel complex which mediates the influx of calcium ions into the cell upon membrane polarization (1,2). CACNA1H is a subunit of Cav3.2 T-type calcium channel that is involved in neurological disorders such as epilepsy and pain (2,3). CACNA1H associates with the caveolin protein Cav-3 and it is thought that Cav-3 regulates the Protein Kinase A (PKA) modulation of CACNA1H-containing Cav3.2 T-type calcium channels (4).
Molecular Weight:	Predicted: 259 kDa Observed: 260 kDa
Gene ID:	8912
NCBI Accession:	NP_066921
UniProt:	O95180
Pathways:	C21-Steroid Hormone Metabolic Process

Application Details

Application Notes:	CACNA1H antibody can be used for detection of CACNA1H by Western blot at 1 - 2 µg/mL. Antibody can also be used for immunohistochemistry starting at 5 µg/mL. For immunofluorescence start at 20 µg/mL. Antibody validated: Western Blot in human samples, Immunohistochemistry in mouse samples and Immunofluorescence in mouse samples. All other applications and species not yet tested.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	CACNA1H antibody is supplied in PBS containing 0.02 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

Storage:	-20 °C,4 °C
Storage Comment:	CACNA1H antibody can be stored at 4°C for three months and -20°C, stable for up to one year.