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Datasheet for ABIN2776236

anti-CACNA1I antibody (Middle Region)

1 Image

Overview

Quantity:	100 µL
Target:	CACNA1I
Binding Specificity:	Middle Region
Reactivity:	Human, Rat, Mouse, Guinea Pig, Horse, Cow, Dog, Rabbit, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CACNA1I antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human CACNA1I
Sequence:	LRTDTGDTVP DRKNFDSLLW AIVTVFQILT QEDWNWVLYN GMASTSPWAS
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 92%, Rat: 100%, Zebrafish: 92%
Characteristics:	This is a rabbit polyclonal antibody against CACNA1I. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	CACNA1I
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Target Details

Alternative Name:	CACNA1I (CACNA1I Products)
Background:	<p>Voltage-dependent calcium channels control the rapid entry of Ca(2+) into a variety of cell types and are therefore involved in both electrical and cellular signaling. T-type channels, such as CACNA1I, are activated by small membrane depolarizations and can generate burst firing and pacemaker activity. Voltage-dependent calcium channels control the rapid entry of Ca(2+) into a variety of cell types and are therefore involved in both electrical and cellular signaling. T-type channels, such as CACNA1I, are activated by small membrane depolarizations and can generate burst firing and pacemaker activity. [supplied by OMIM].</p> <p>Alias Symbols: Cav3.3, KIAA1120, ca(v)3.3</p> <p>Protein Interaction Partner: ALB,</p> <p>Protein Size: 2188</p>
Molecular Weight:	245 kDa
Gene ID:	8911
NCBI Accession:	NM_001003406 , NP_001003406
UniProt:	Q9P0X4

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 2188 AA
Restrictions:	For Research Use only

Handling

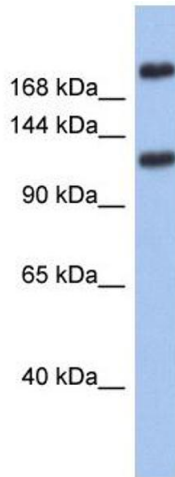
Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.

Handling

Storage: -20 °C

Storage Comment: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. WB Suggested Anti-CACNA1I Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:62500 Positive Control: Human Small Intestine