

Datasheet for ABIN7073274
anti-CACNA1I antibody



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1 Image

Overview

Quantity:	100 µL
Target:	CACNA1I
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CACNA1I antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	KLH conjugated Synthetic peptide corresponding to Mouse Ca(v)3.3
Cross-Reactivity:	Rat
Purification:	Affinity purification

Target Details

Target:	CACNA1I
Alternative Name:	Ca(v)3.3 (CACNA1I Products)
Background:	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. This channel 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

Target Details

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.

Molecular Weight: 250 kDa

UniProt: [E9Q7P2](#)

Application Details

Application Notes: WB (R) 1:300-1:600

Restrictions: For Research Use only

Handling

Format: Liquid

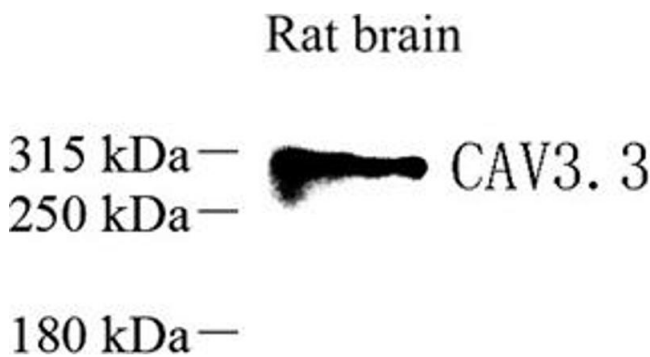
Buffer: PBS, pH 7.4, 0.02 % sodium azide

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C

Images



Western Blotting

Image 1. Western blot analysis of Ca(v)3.3 (ABIN7073274) at dilution of 1: 600