# antibodies -online.com







Image



Go to Product page

#### 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

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

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** 

# Rat brain

315 kDa-250 kDa-CAV3. 3

180 kDa-

# **Western Blotting**

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