antibodies

Datasheet for ABIN6243080 anti-CACNA1A antibody (AA 898-932)

I Image



Overview

Quantity:	200 µL
Target:	CACNA1A
Binding Specificity:	AA 898-932
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CACNA1A antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	This CACNA1A antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 898-932 amino acids from the Central region of human CACNA1A.
Clone:	RB53551
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	CACNA1A
Alternative Name:	CACNA1A (CACNA1A Products)
Background:	Voltage-sensitive calcium channels (VSCC) mediate the entry of calcium ions into excitable

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	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. The isoform alpha-1A gives rise to P and/or Q-type calcium currents. P/Q-type
	calcium channels belong to the 'high-voltage activated' (HVA) group and are blocked by the
	funnel toxin (Ftx) and by the omega-agatoxin- IVA (omega-Aga-IVA). They are however
	insensitive to dihydropyridines (DHP), and omega-conotoxin-GVIA (omega-CTx-GVIA).
Molecular Weight:	282564
UniProt:	000555

Pathways:

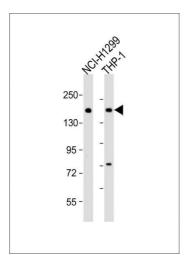
Regulation of Hormone Metabolic Process, Regulation of Hormone Biosynthetic Process

Application Details

Application Notes:	WB: 1:2000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) 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:	4 °C,-20 °C
Expiry Date:	6 months



Western Blotting

Image 1. All lanes : Anti-CACNA1A Antibody (Center) at 1:2000 dilution Lane 1: NCI- whole cell lysate Lane 2: THP-1 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 282 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.

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