

Datasheet for ABIN950991  
**anti-CACNA2D3 antibody (C-Term)**

## 2 Images

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## Overview

Quantity:	0.4 mL
Target:	CACNA2D3
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CACNA2D3 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), Enzyme Immunoassay (EIA)

## Product Details

Immunogen:	KLH conjugated synthetic peptide selected from the C-terminal region of human CACNA2D3
Isotype:	Ig Fraction
Specificity:	This antibody reacts to CACNA2D3.
Cross-Reactivity (Details):	Species reactivity (tested):Human.
Purification:	Affinity chromatography on Protein A

## Target Details

Target:	CACNA2D3
Alternative Name:	CACNA2D3 ( <a href="#">CACNA2D3 Products</a> )
Background:	CACNA2D3 is a member of the alpha-2/delta subunit family, a protein in the voltage-dependent

## Target Details

calcium channel complex. Calcium channels mediate the influx of calcium ions into the cell upon membrane polarization and consist of a complex of alpha-1, alpha-2/delta, beta, and gamma subunits in a 1:1:1:1 ratio. Various versions of each of these subunits exist, either expressed from similar genes or the result of alternative splicing. Research on a highly similar protein in rabbit suggests the protein described in this record is cleaved into alpha-2 and delta subunits. Synonyms: Voltage-dependent calcium channel subunit alpha-2/delta-3, Voltage-gated calcium channel subunit alpha-2/delta-3

Molecular Weight: 123011 Da

Gene ID: 55799

NCBI Accession: [NP\\_060868](#)

## Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: 0.25 mg/mL

Buffer: PBS, 0.09 % (W/V) sodium azide

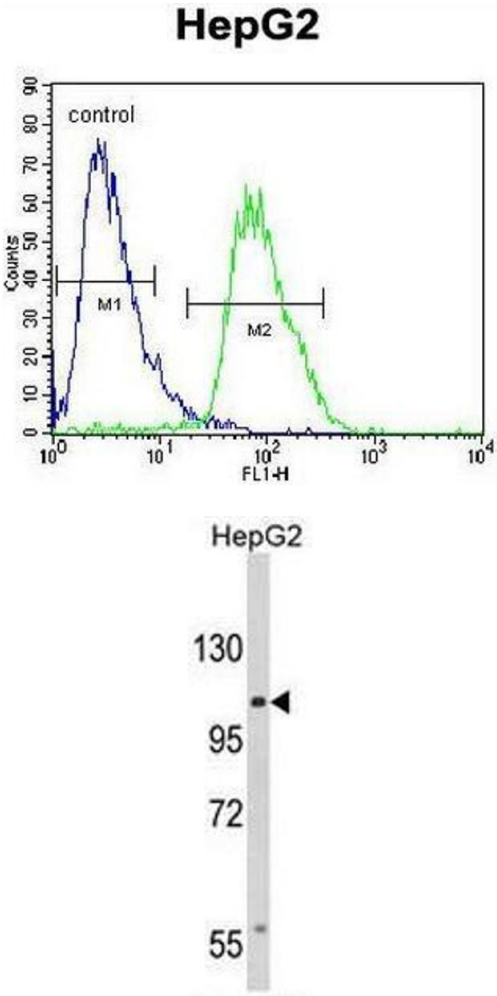
Preservative: Sodium azide

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

Handling Advice: Avoid repeated freezing and thawing.

Storage: 4 °C/-20 °C

Storage Comment: Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** CACNA2D3 Antibody (C-term) flow cytometric analysis of HepG2 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Western Blotting

**Image 2.** Western blot analysis of CACNA2D3 Antibody (C-term) in HepG2 cell line lysates (35µg/lane). CACNA2D3 (arrow) was detected using the purified Pab.