

Datasheet for ABIN2855399  
**anti-CACNA1B antibody (C-Term)**[Go to Product page](#)

## 2 Images

## Overview

Quantity:	100 µL
Target:	CACNA1B
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CACNA1B antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunocytochemistry (ICC)

## Product Details

Immunogen:	Recombinant protein encompassing a sequence within the C-terminus region of human CACNA1B. The exact sequence is proprietary.
Isotype:	IgG
Characteristics:	Rabbit Polyclonal antibody to Cav2.2 Cav2.2 antibody [C3], C-term
Purification:	Purified by antigen-affinity chromatography.

## Target Details

Target:	CACNA1B
Alternative Name:	Cav2.2 ( <a href="#">CACNA1B Products</a> )

## Target Details

**Background:** Voltage-dependent Ca(2+) channels are multisubunit complexes found in the membrane of many excitable cells that regulate calcium entry (see MIM 601011). N-type calcium channels, which control neurotransmitter release from neurons, are dihydropyridine-insensitive and omega-conotoxin-sensitive. The alpha-1 subunit forms the pore through which calcium enters the cell, and is encoded by a family of at least 5 genes.[supplied by OMIM]

Cellular Localization: Membrane

**Molecular Weight:** 262 kDa

**Gene ID:** 774

## Application Details

**Application Notes:** Suggested dilution Reference ICC/IF 1:100-1:1000\* Western blot 1:500-1:3000\* Not tested in other applications. \*Optimal dilutions/concentrations should be determined by the researcher.Suggested dilutionReferenceICC/IF1:100-1:1000\* Western blot1:500-1:3000\*

**Comment:** Positive Control: U87-MG

**Restrictions:** For Research Use only

## Handling

**Format:** Liquid

**Concentration:** 0.43 mg/mL

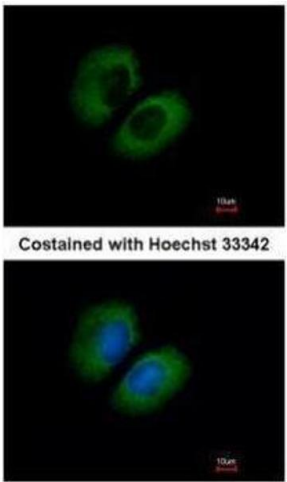
**Buffer:** 1XPBS, 10 % Glycerol ( pH 7). 0.01 % Thimerosal was added as a preservative.

**Preservative:** Thimerosal (Merthiolate)

**Precaution of Use:** This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

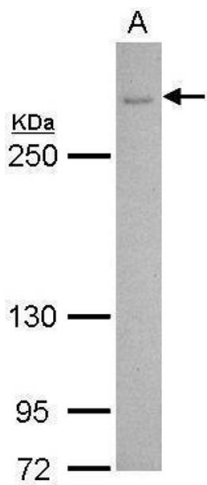
**Storage:** -20 °C

**Storage Comment:** Keep as concentrated solution. Aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.



### Immunofluorescence

**Image 1.** ICC/IF Image Immunofluorescence analysis of methanol-fixed A549, using CACNA1B, antibody at 1:500 dilution.



### Western Blotting

**Image 2.** WB Image CACNA1B antibody [C3], C-term detects CACNA1B protein by Western blot analysis. A. 30 µg U87-MG whole cell lysate/extract 5 % SDS-PAGE CACNA1B antibody [C3], C-term , dilution: 1:500