

Datasheet for ABIN2854649  
**anti-CACNB4 antibody (C-Term)**[Go to Product page](#)

## 4 Images

## Overview

Quantity:	100 µL
Target:	CACNB4
Binding Specificity:	C-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunocytochemistry (ICC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

## Product Details

Immunogen:	Carrier-protein conjugated synthetic peptide encompassing a sequence within the C-terminus region of human CACNB4. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Rat (Rattus), Xenopus tropicalis, Pig (Porcine), Rhesus Monkey, Cow (Bovine)
Cross-Reactivity (Details):	Rat (92 %), Xenopus Tropicalis (100 %), Pig (100 %), Rhesus Monkey (100 %), Bovine (100 %)
Characteristics:	Rabbit Polyclonal antibody to Cav beta 4 Cav beta 4 antibody [C3], C-term
Purification:	Purified by antigen-affinity chromatography.

## Target Details

Target:	CACNB4
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## Target Details

Alternative Name:	Cav beta 4 ( <a href="#">CACNB4 Products</a> )
Background:	<p>This gene encodes a member of the beta subunit family of voltage-dependent calcium channel complex proteins. 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. The protein encoded by this locus plays an important role in calcium channel function by modulating G protein inhibition, increasing peak calcium current, controlling the alpha-1 subunit membrane targeting and shifting the voltage dependence of activation and inactivation. Certain mutations in this gene have been associated with idiopathic generalized epilepsy (IGE) and juvenile myoclonic epilepsy (JME). Multiple transcript variants encoding different isoforms have been found for this gene.</p>
Molecular Weight:	58 kDa
Gene ID:	785
Pathways:	<a href="#">cAMP Metabolic Process</a> , <a href="#">Skeletal Muscle Fiber Development</a>

## Application Details

Application Notes:	<p>Suggested dilution Reference ICC/IF 1:100-1:1000* IHC (Formalin-fixed paraffin-embedded sections) 1:100-1:1000* Western blot 1:1000-1:10000* Not tested in other applications.</p> <p>*Optimal dilutions/concentrations should be determined by the researcher.Suggested dilutionReferenceICC/IF1:100-1:1000* IHC (Formalin-fixed paraffin-embedded sections)1:100-1:1000* Western blot1:1000-1:10000*</p>
Comment:	Positive Control: 293T , HepG2 , A375 , mouse cerebellum
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	1XPBS, 1 % BSA, 20 % 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

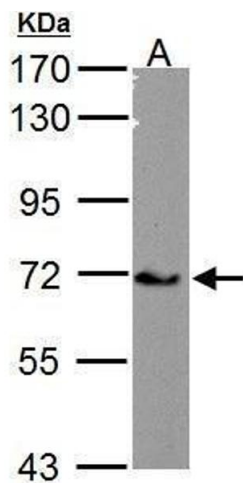
Handling

which should be handled by trained staff only.

Storage: -20 °C

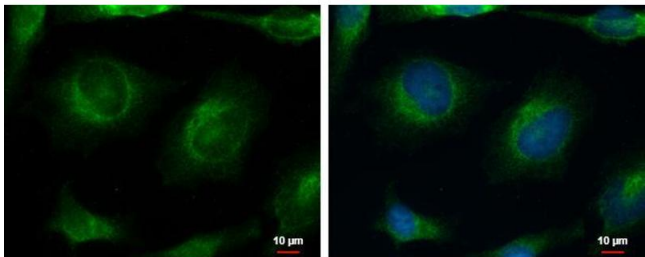
Storage Comment: Keep as concentrated solution. Aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

Images



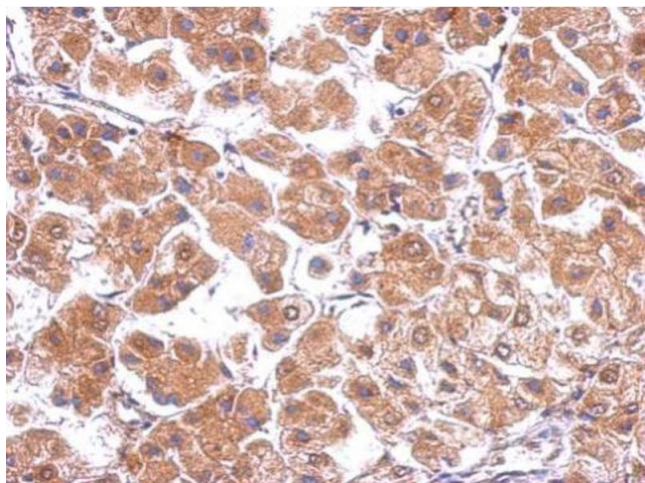
Western Blotting

**Image 1.** WB Image Sample (50 ug of whole cell lysate) A: mouse cerebellum 7.5% SDS PAGE antibody diluted at 1:1000



Immunofluorescence

**Image 2.** ICC/IF Image CACNB4 antibody [C3], C-term detects CACNB4 protein at cytoplasm by immunofluorescent analysis. Sample: HeLa cells were fixed in 4% paraformaldehyde at RT for 15 min. Green: CACNB4 protein stained by CACNB4 antibody [C3], C-term , diluted at 1:500. Blue: Hoechst 33342 staining.



#### Immunohistochemistry

**Image 3.** IHC-P Image Immunohistochemical analysis of paraffin-embedded human hepatoma, using CACNB4, antibody at 1:500 dilution.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN2854649.