

Datasheet for ABIN7175596  
**anti-CACNB2 antibody (AA 490-637)**



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2 Images

Overview

Quantity:	100 µg
Target:	CACNB2
Binding Specificity:	AA 490-637
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CACNB2 antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant Human Voltage-dependent L-type calcium channel subunit beta-2 protein (490-637AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	CACNB2
Alternative Name:	CACNB2 ( <a href="#">CACNB2 Products</a> )
Background:	Background: The beta subunit of voltage-dependent calcium channels contributes to the

## Target Details

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function of the calcium channel by increasing peak calcium current, shifting the voltage dependencies of activation and inactivation, modulating G protein inhibition and controlling the alpha-1 subunit membrane targeting.

Aliases: AW060387 antibody, Ca(V) beta 2 antibody, CAB2 antibody, CACB2\_HUMAN antibody, CACNB2 antibody, CACNLB2 antibody, Calcium channel voltage dependent subunit beta 2 antibody, Calcium channel voltage-dependent subunit beta 2 antibody, Calcium channel, voltage dependent, beta 2 subunit antibody, CAVB2 antibody, Cavbeta2 antibody, Cchb2 antibody, FLJ23743 antibody, Lambert Eaton Myasthenic syndrome antigen antibody, Lambert Eaton myasthenic syndrome antigen B antibody, Lambert-Eaton myasthenic syndrome antigen B antibody, MGC129334 antibody, MGC129335 antibody, Myasthenic (Lambert Eaton) syndrome antigen B antibody, Myasthenic syndrome antigen B antibody, MYSB antibody, Voltage dependent L type calcium channel subunit beta 2 antibody, Voltage-dependent L-type calcium channel subunit beta-2 antibody

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UniProt: [Q08289](#)

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Pathways: [Skeletal Muscle Fiber Development](#)

## Application Details

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Application Notes: Recommended dilution: IHC:1:500-1:1000, IF:1:50-1:200,

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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Buffer: Preservative: 0.03 % Proclin 300  
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

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Preservative: ProClin

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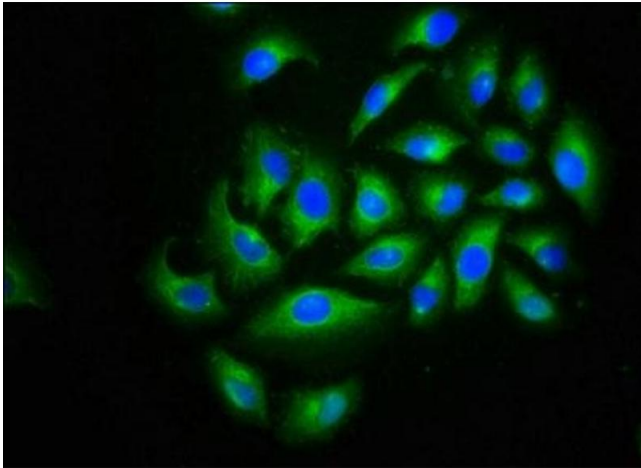
Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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Storage: -20 °C,-80 °C

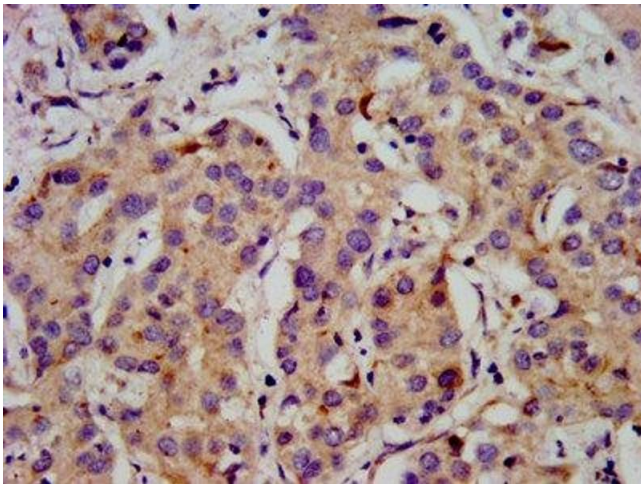
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Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



#### Immunofluorescence

**Image 1.** Immunofluorescence staining of A549 cells with ABIN7175596 at 1:166, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



#### Immunohistochemistry

**Image 2.** IHC image of ABIN7175596 diluted at 1:500 and staining in paraffin-embedded human liver cancer performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.