

Datasheet for ABIN940548

## anti-CACNB2 antibody (AA 565-579)



[Go to Product page](#)

### 1 Image

#### Overview

|                      |                                       |
|----------------------|---------------------------------------|
| Quantity:            | 100 µg                                |
| Target:              | CACNB2                                |
| Binding Specificity: | AA 565-579                            |
| Reactivity:          | Human, Mouse                          |
| Host:                | Goat                                  |
| Clonality:           | Polyclonal                            |
| Conjugate:           | This CACNB2 antibody is un-conjugated |
| Application:         | Western Blotting (WB), ELISA          |

#### Product Details

|                   |                                                                                                                                                                                                                         |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Purpose:          | CACNB2 (aa565-579)                                                                                                                                                                                                      |
| Immunogen:        | Peptide with sequence ECNKQRSRHKSKDRY, from the C Terminus of the protein sequence according to NP_000715.2, NP_963890.2, NP_963884.2, NP_963891.1, NP_963887.2, NP_963865.2, NP_963864.1, NP_963866.2, NP_001161417.1. |
| Sequence:         | ECNKQRSRHK SKDRY                                                                                                                                                                                                        |
| Isotype:          | IgG                                                                                                                                                                                                                     |
| Specificity:      | This antibody is expected to recognize all reported isoforms (NP_000715.2, NP_963890.2, NP_963884.2, NP_963891.1, NP_963887.2, NP_963865.2, NP_963864.1, NP_963866.2, NP_001161417.1).                                  |
| Cross-Reactivity: | Cow, Dog, Human, Mouse, Rat                                                                                                                                                                                             |

## Product Details

|               |                                                                                                                                       |
|---------------|---------------------------------------------------------------------------------------------------------------------------------------|
| Purification: | Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide. |
| Grade:        | Verified                                                                                                                              |

## Target Details

|                   |                                                                                                                                                                                                                                                                 |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target:           | CACNB2                                                                                                                                                                                                                                                          |
| Alternative Name: | CACNB2 ( <a href="#">CACNB2 Products</a> )                                                                                                                                                                                                                      |
| Background:       | CACNB2, calcium channel, voltage-dependent, beta 2 subunit, CACNLB2, CAVB2, FLJ23743, MYSB, CAB2, calcium channel voltage-dependent subunit beta 2, lambert-Eaton myasthenic syndrome antigen B, myasthenic (Lambert-Eaton) syndrome antigen B, voltage-depende |
| Gene ID:          | 783, 12296, 116600                                                                                                                                                                                                                                              |
| NCBI Accession:   | <a href="#">NP_000715</a> , <a href="#">NP_963890</a> , <a href="#">NP_963884</a> , <a href="#">NP_963891</a> , <a href="#">NP_963887</a> , <a href="#">NP_963865</a> , <a href="#">NP_963864</a> , <a href="#">NP_963866</a> , <a href="#">NP_001161417</a>    |
| Pathways:         | <a href="#">Skeletal Muscle Fiber Development</a>                                                                                                                                                                                                               |

## Application Details

|                    |                                                                                                                                                                                                                                              |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Application Notes: | Western Blot: Approx 65 kDa band observed in lysates of cell lines NIH3T3 and Jurkat (calculated MW of 68.1 kDa according to NP_000715.2). Recommended concentration: 1-3 µg/mL.<br>Peptide ELISA: antibody detection limit dilution 1:4000. |
| Restrictions:      | For Research Use only                                                                                                                                                                                                                        |

## Handling

|                    |                                                                                                                        |
|--------------------|------------------------------------------------------------------------------------------------------------------------|
| Format:            | Liquid                                                                                                                 |
| Concentration:     | 0.5 mg/mL                                                                                                              |
| Buffer:            | Supplied at 0.5 mg/mL in Tris saline, 0.02 % sodium azide, pH 7.3 with 0.5 % bovine serum albumin.                     |
| 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

|                  |                                                                                                                                                |
|------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| Handling Advice: | Minimize freezing and thawing.                                                                                                                 |
| Storage:         | -20 °C                                                                                                                                         |
| Storage Comment: | Aliquot and store at -20°C, with minimal freeze/thawing. A working aliquot may be refrigerated at 4°C for a few weeks and still remain viable. |

## Images



### Western Blotting

**Image 1.** ABIN940548 (1µg/ml) staining of Jurkat lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.