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## Datasheet for ABIN1721488 anti-CACNB2 antibody (AA 189-205)

### Overview

Quantity:	100 µg
Target:	CACNB2
Binding Specificity:	AA 189-205
Reactivity:	Human, Rat, Mouse
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CACNB2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunocytochemistry (ICC)

### Product Details

Immunogen:	Synthetic peptide corresponding to aa 189-205 of rat Cavbeta2 (RSPKPSANSVTSPHSKE) (accession no. NP_446303).
Clone:	S8b-1
Isotype:	IgG1
Specificity:	Reacts with human, mouse and rat Cavβ2 Ca+2 Channel. It does not cross-react with Cav β1, Cav β3, or Cav β4.
Purification:	Purified

### Target Details

Target:	CACNB2
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## Target Details

Alternative Name:	Cavbeta2 Ca+2 Channel ( <a href="#">CACNB2 Products</a> )
Background:	<p>Ion channels are integral membrane proteins that help establish and control the small voltage gradient across the plasma membrane of living cells by allowing the flow of ions down their electrochemical gradient. Cavβ subunits are involved in the transport of the pore-forming alpha1 subunit to the plasma membrane. They also shield an ER Retention signal on the alpha1 subunit, thereby guiding the poreforming subunit to the target membrane.</p> <p>Voltage-dependent L-type calcium channel subunit beta-2, CAB2 Calcium channel voltage-dependent subunit beta 2 Lambert-Eaton myasthenic syndrome antigen B, MYSB calcium channel, voltage-dependent, beta 2 subunit Gene name: CACNB2, CACNLB2, MYSB, CAVB2</p>
Gene ID:	783
UniProt:	<a href="#">Q08289</a>
Pathways:	<a href="#">Skeletal Muscle Fiber Development</a>

## Application Details

Application Notes:	<p>Working dilution: Optimal dilution should be determined by the end user.</p> <p>The following are guidelines only:</p> <p>WB(1 - 10 µg/mL) ICC (0.1 - 1 µg/mL) IF(1 - 10 µg/mL)</p> <p>Positive control: Adult rat brain</p>
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Buffer:	PBS, pH 7.4, 50 % glycerol
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:	Dilute in PBS or medium that is identical to that used in the assay system.
Storage:	-20 °C
Storage Comment:	Stable for at least one year at -20°C. Avoid multiple freeze-thaw cycles.

## Handling

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Expiry Date: 12 months