

**KO455**

For research use only

# Anti Mouse Cacnb4 Polyclonal Antibody

This antibody was prepared by Dr. Yasuo Mori, Kyoto University.

**Code No.** KO455  
**Target** Cacnb4  
**Category** TRP channel  
**Gene ID** 12298  
**Primary Source** MGI:103301  
**Synonyms** lh; Cchb4; MGC31529; lethargic; 3110038O15Rik; Cacnb4

**Type** Polyclonal Antibody  
**Immunogen** Partial peptide of Mouse Cacnb4 C-terminal region

**Raised in** Rabbit  
**Myeloma** -  
**Clone number** -  
**Purification** Antigen Affinity  
**Source** Rabbit Serum

**Isotype** -  
**Cross Reactivity** -

**Label** Unlabeled  
**Concentration** 0.25 mg/mL

**Contents (Volume)** 25 µg (100 µL/vial)

**Buffer** PBS [containing 2% Block Ace as a stabilizer, 0.1% Proclin as a bacteriostat]

**Storage** Store below -20°C. Once thawed, store at 4°C. Repeated freeze-thaw cycles should be avoided.

**Application** ELISA, WB, ICC, IP

ELISA	WB	IHC	ICC
1.0	1.0	Not tested	1.0-5.0
IP	FCM	IF	Neutralization
5.0	Not tested	Not tested	Not tested

(µg/mL)

## Reference

1. Kiyonaka S, et al. RIM1 confers sustained activity and neurotransmitter vesicle anchoring to presynaptic Ca<sup>2+</sup> channels. Nat Neurosci. 2007 Jun;10(6):691-701. \*Application Reference

## UniPlot Summary

//Function: The beta subunit of voltage-dependent calcium channels contributes to the 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.

//Sequence similarities: Belongs to the calcium channel beta subunit family. Contains 1 SH3 domain.