



KAL-KO455

For research use only

Anti Mouse Cacnb4 Polyclonal Antibody

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

Code No. KAL-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 Ca²⁺ channels. Nat Neurosci. 2007 Jun;10(6):691-701. *Application Reference

UniProt 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.

Manufactured by  TransGenic Inc.



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