

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 Ih; 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.