



KAL-KO454

For research use only

Anti Mouse Rim1 Polyclonal Antibody

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

Code No. KAL-KO454
Target Rim1
Category TRP channel
Gene ID 116837
Primary Source MGI:2152971
Synonyms Rim; RIM1; RIM1a; Serg1; Rab3ip1; KIAA0340; RIM1alpha; mKIAA0340; C030033M19Rik; Rims1
Type Polyclonal Antibody
Immunogen Partial peptide of Mouse Rim1 N-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, IP

ELISA	WB	IHC	ICC
1.0	1.0	Not tested	Not tested
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
2. Schoch S, et al. RIM1alpha forms a protein scaffold for regulating neurotransmitter release at the active zone. Nature. 2002 Jan 17;415(6869):321-6.

UniPlot Summary

//Function: Rab effector involved in exocytosis. May act as scaffold protein that regulates neurotransmitter release at the active zone. Essential for maintaining normal probability of neurotransmitter release and for regulating release during short-term synaptic plasticity.
//Sequence similarities: Contains 2 C2 domains. Contains 1 FYVE-type zinc finger. Contains 1 PDZ (DHR) domain. Contains 1 RabBD (Rab-binding) domain.

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