



KAL-KO456

For research use only

Anti Mouse Trpc3 Polyclonal Antibody

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

Code No. KAL-KO456
Target Trpc3
Category TRP channel
Gene ID 22065
Primary Source MGI:109526
Synonyms Mwk; Trp3; Trcp3; Trpp3; MGC124333; Trpc3

Type Polyclonal Antibody
Immunogen Partial peptide of Mouse Trpc3 C-terminal

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

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

(µg/mL)

Reference

1. Mori Y, et al. Differential distribution of TRP Ca²⁺ channel isoforms in mouse brain. Neuroreport. 1998 Feb 16;9(3):507-15.

UniPlot Summary

//Function: Thought to form a receptor-activated non-selective calcium permeant cation channel. Probably is operated by a phosphatidylinositol second messenger system activated by receptor tyrosine kinases or G-protein coupled receptors. Activated by diacylglycerol (DAG) in a membrane-delimited fashion, independently of protein kinase C, and by inositol-1,4,5-triphosphate receptors (ITPR) with bound IP3. May also be activated by internal calcium store depletion.

//Tissue specificity: Abundantly expressed in brain. Concentrated in cerebellar Purkinje cells and sparsely localized in cerebellar granule layer, pontine nuclei and thalamus. Lower levels detected in other tissues.

//Sequence similarities: Belongs to the transient receptor family. STrpC subfamily. Contains 5 ANK repeats.

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