



**KAL-KO457**

For research use only

# Anti Mouse Trpc3 Polyclonal Antibody

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

**Code No.** KAL-KO457  
**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 region

**Raised in** Rabbit  
**Myeloma** -  
**Clone number** -  
**Purification** Antigen Affinity  
**Source** Rabbit Serum  
**Isotype** -  
**Cross Reactivity** Rat  
**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

ELISA	WB	IHC	ICC
1.0	Not tested	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 Ca<sup>2+</sup> 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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