

KO456

For research use only

Anti Mouse Trpc3 Polyclonal Antibody

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

Code No. 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.

UniProt 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. STpC subfamily. Contains 5 ANK repeats.