

KO457

For research use only

Anti Mouse Trpc3 Polyclonal Antibody

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

Code No.	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

- 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. STpC subfamily. Contains 5 ANK repeats.