

KO459

For research use only

Anti Mouse Trpc5 Polyclonal Antibody

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

Code No.	KO459
Target	Trpc5
Category	TRP channel
Gene ID	22067
Primary Source	MGI:109524
Synonyms	CCE2; TRP5; Trrp5; MGC124500; Trpc5
Type	Polyclonal Antibody
Immunogen	Partial peptide of Mouse Trpc5 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

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. Okada T, et al. Molecular cloning and functional characterization of a novel receptor-activated TRP Ca²⁺ channel from mouse brain. *J Biol Chem.* 1998 Apr 24;273(17):10279-87.

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. Has also been shown to be calcium-selective. May also be activated by intracellular calcium store depletion.

//Tissue specificity: Expressed in brain. Very low levels detected in liver kidney, testis, and uterus.

//Sequence similarities: Belongs to the transient receptor family. STpC subfamily. Contains 2 ANK repeats.