

**KO458**

For research use only

# Anti Mouse Trpc5 Polyclonal Antibody

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

<b>Code No.</b>	KO458
<b>Target</b>	Trpc5
<b>Category</b>	TRP channel
<b>Gene ID</b>	22067
<b>Primary Source</b>	MGI:109524
<b>Synonyms</b>	CCE2; TRP5; Trrp5; MGC124500; Trpc5
<b>Type</b>	Polyclonal Antibody
<b>Immunogen</b>	Partial peptide of Mouse Trpc5 C-terminal region
<b>Raised in</b>	Rabbit
<b>Myeloma</b>	-
<b>Clone number</b>	-
<b>Purification</b>	Antigen Affinity
<b>Source</b>	Rabbit Serum
<b>Isotype</b>	-
<b>Cross Reactivity</b>	Bovine
<b>Label</b>	Unlabeled
<b>Concentration</b>	0.25 mg/mL
<b>Contents (Volume)</b>	25 µg (100 µL/vial)
<b>Buffer</b>	PBS [containing 2% Block Ace as a stabilizer, 0.1% Proclin as a bacteriostat]
<b>Storage</b>	Store below -20°C. Once thawed, store at 4°C. Repeated freeze-thaw cycles should be avoided.
<b>Application</b>	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

- Yoshida T, et al. Nitric oxide activates TRP channels by cysteine S-nitrosylation. Nat Chem Biol. 2006 Nov;2(11):596-607. \*Application Reference
- Okada T, et al. Molecular cloning and functional characterization of a novel receptor-activated TRP Ca<sup>2+</sup> 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.