



KAL-KO458

For research use only

Anti Mouse Trpc5 Polyclonal Antibody

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

Code No. KAL-KO458
Target Trpc5
Category TRP channel
Gene ID 22067
Primary Source MGI:109524
Synonyms CCE2; TRP5; Trpp5; MGC124500; Trpc5

Type Polyclonal Antibody
Immunogen Partial peptide of Mouse Trpc5 C-terminal region

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

- 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 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.

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