

KO458

For research use only

Anti Mouse Trpc5 Polyclonal Antibody

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

Code No. KO458
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 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

1. Yoshida T, et al. Nitric oxide activates TRP channels by cysteine S-nitrosylation. Nat Chem Biol. 2006 Nov;2(11):596-607.
2. 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.

*Application Reference

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. 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.