



KAL-KO462

For research use only

Anti Mouse Trpm2 Polyclonal Antibody

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

Code No. KAL-KO462
Target Trpm2
Category TRP channel
Gene ID 28240
Primary Source MGI:1351901
Synonyms Trp7; TRPC7; Trpp7; C79133; LTRPC2; 9830168K16Rik; Trpm2
Type Polyclonal Antibody
Immunogen Partial peptide of Mouse Trpm2 middle region

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, ICC

ELISA	WB	IHC	ICC
1.0	Not tested	Not tested	1.0-5.0
IP	FCM	IF	Neutralization
Not tested	Not tested	Not tested	Not tested

(µg/mL)

Reference

1. Kaneko S, et al. A critical role of TRPM2 in neuronal cell death by hydrogen peroxide. J Pharmacol Sci. 2006 May;101(1):66-76.
*Application Reference
2. Hara Y, et al. LTRPC2 Ca²⁺-permeable channel activated by changes in redox status confers susceptibility to cell death. Mol Cell. 2002 Jan;9(1):163-73.

UniPlot Summary

//Function: Nonselective, voltage-independent cation channel mediating sodium and calcium ion influx in response to oxidative stress. Extracellular calcium passes through the channel and acts from the intracellular side as a positive regulator in channel activation. Activated by ADP-ribose, nicotinamide adenine dinucleotide (NAD⁺), reactive nitrogen species and arachidonic acid. Inactivated by intracellular ATP. Confers susceptibility to cell death following oxidative stress. Has ADP-ribose pyrophosphatase activity.

//Tissue specificity: Widely expressed, with highest levels in lung, spleen, eye and brain.

//Sequence similarities: Belongs to the transient receptor family. LTrpC subfamily. Contains 1 nudix hydrolase domain.

Manufactured by  Trans Genic Inc.



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