

KO462

For research use only

## Anti Mouse Trpm2 Polyclonal Antibody

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

**Code No.** KO462  
**Target** Trpm2  
**Category** TRP channel  
**Gene ID** 28240  
**Primary Source** MGI:1351901  
**Synonyms** Trp7; TRPC7; Trrp7; 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.
2. Hara Y, et al. LTRPC2 Ca<sup>2+</sup>-permeable channel activated by changes in redox status confers susceptibility to cell death. Mol Cell. 2002 Jan;9(1):163-73.

\*Application Reference

**UniProt 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<sup>+</sup>), 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.