**KO463**

**Anti Mouse Trpm2 Polyclonal Antibody**

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

<table>
<thead>
<tr>
<th>Code No.</th>
<th>KO463</th>
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<tbody>
<tr>
<td>Target</td>
<td>Trpm2</td>
</tr>
<tr>
<td>Category</td>
<td>TRP channel</td>
</tr>
<tr>
<td>Gene ID</td>
<td>28240</td>
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</tbody>
</table>

**Primary Source**

MGI:1351901

**Synonyms**

Trp7; TRPC7; Trp7; C79133; LTRPC2; 9830168K16Rik; Trpm2

**Type**

Polyclonal Antibody

**Immunogen**

Partial peptide of Mouse Trpm2 C-terminal region

**Raised in**

Rabbit

**Myeloma**

-

**Clone number**

-

**Purification**

Antigen Affinity

**Source**

Rabbit Serum

**Isotype**

-

**Cross Reactivity**

Human, Rat

**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**

<table>
<thead>
<tr>
<th>ELISA</th>
<th>WB</th>
<th>IHC</th>
<th>ICC</th>
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<tbody>
<tr>
<td>1.0</td>
<td>1.0-5.0</td>
<td>5.0-10</td>
<td>1.0-5.0</td>
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</tbody>
</table>

**Reference**


2. Togashi K, et al. TRPM2 activation by cyclic ADP-ribose at body temperature is involved in insulin secretion. EMBO J. 2006 May 3;25(9):1804-15. *Application Reference*


**UniPlot Summary**

//Function: Nonselective, voltage-independent 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.

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