**Product datasheet**

**Anti-TRPM2 antibody ab11168**

1 Abreviews  8 References  3 Images

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**Overview**

<table>
<thead>
<tr>
<th><strong>Product name</strong></th>
<th>Anti-TRPM2 antibody</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Description</strong></td>
<td>Rabbit polyclonal to TRPM2</td>
</tr>
<tr>
<td><strong>Host species</strong></td>
<td>Rabbit</td>
</tr>
<tr>
<td><strong>Tested applications</strong></td>
<td>Suitable for: IHC-P, IHC-FoFr, ICC, WB, IP</td>
</tr>
</tbody>
</table>
| **Species reactivity** | Reacts with: Rat, Human  
Predicted to work with: Mouse, Chimpanzee, Rhesus monkey, Gorilla, Orangutan, Elephant |

**Immunogen**

Synthetic peptide, which represents a portion of the human transient receptor potential cation channel, subfamily M, member 2 encoded within exon 13 (LocusLink ID 7226).

**Positive control**


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**Properties**

<table>
<thead>
<tr>
<th><strong>Form</strong></th>
<th>Liquid</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Storage instructions</strong></td>
<td>Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.</td>
</tr>
</tbody>
</table>
| **Storage buffer** | Preservative: 0.1% Sodium azide  
Constituents: 0.021% PBS, 1.764% Sodium citrate, 1.815% Tris |
| **Purity** | Immunogen affinity purified |
| **Purification notes** | Antibodies were affinity purified using the peptide immobilized on solid support. |
| **Clonality** | Polyclonal |
| **Isotype** | IgG |

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**Applications**

Our Abpromise guarantee covers the use of ab11168 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<table>
<thead>
<tr>
<th><strong>Application</strong></th>
<th>Abreviews</th>
<th>Notes</th>
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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. Isoform 2 does not seem to be regulated by ADPR. Has ADP-ribose pyrophosphatase activity.

Tissue specificity
Highly expressed in brain and peripheral blood cells, such as neutrophils. Also detected in bone marrow, spleen, heart, liver and lung. Isoform 2 is found in neutrophil granulocytes.

Sequence similarities
Belongs to the transient receptor (TC 1.A.4) family. LTrpC subfamily. TRPM2 sub-subfamily. Contains 1 nudix hydrolase domain.

Cellular localization
Membrane.

IHC image of ab11168 staining in rat brain formalin fixed paraffin embedded tissue section, performed on a Leica Bond™ system using the standard protocol F. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH6, epitope retrieval solution 1) for 20 mins. The section was then incubated with ab11168, 1µg/ml, for 15 mins at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

For other IHC staining systems (automated and non-automated) customers should optimize variable parameters such as antigen retrieval conditions, primary antibody concentration and antibody incubation times.
All lanes: Anti-TRPM2 antibody (ab11168) at 0.1 µg

Lane 1: Jurkat (human T cell leukemia cell line from peripheral blood) membrane preparation at 50 µg
Lane 2: Jurkat membrane preparation at 15 µg
Lane 3: Jurkat membrane preparation at 5 µg

Developed using the ECL technique.

Predicted band size: 171 kDa

Exposure time: 3 minutes

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