Product datasheet

Anti-TOMM20 antibody [EPR15581-39] - Mitochondrial Marker ab186734

Overview

Product name: Anti-TOMM20 antibody [EPR15581-39] - Mitochondrial Marker
Description: Rabbit monoclonal [EPR15581-39] to TOMM20 - Mitochondrial Marker
Host species: Rabbit
Tested applications: Suitable for: IHC-P, Flow Cyt, ICC/IF, WB
Species reactivity: Reacts with: Mouse, Rat, Human
Immunogen: Recombinant fragment within Human TOMM20 aa 1 to the C-terminus. The exact sequence is proprietary. Database link: Q15388


General notes: Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMab® patents. This product is a recombinant rabbit monoclonal antibody.

Properties

Form: Liquid
Storage buffer: Preservative: 0.01% Sodium azide
Constituents: PBS, 40% Glycerol, 0.05% BSA
Purity: Protein A purified
Clonality: Monoclonal
Clone number: EPR15581-39
Isotype: IgG
**Function**

Central component of the receptor complex responsible for the recognition and translocation of cytosolically synthesized mitochondrial preproteins. Together with TOM22 functions as the transit peptide receptor at the surface of the mitochondrion outer membrane and facilitates the movement of preproteins into the TOM40 translocation pore.

**Sequence similarities**

Belongs to the Tom20 family.

**Cellular localization**

Mitochondrion outer membrane.

**Applications**

Our Abpromise guarantee covers the use of **ab186734** 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>Application</th>
<th>Abreviews</th>
<th>Notes</th>
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<tbody>
<tr>
<td>Flow Cyt</td>
<td></td>
<td>1/40. <strong>ab172730</strong> - Rabbit monoclonal IgG, is suitable for use as an isotype control with this antibody.</td>
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<tr>
<td>ICC/IF</td>
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<td>1/250.</td>
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**Target**

**Function**

Central component of the receptor complex responsible for the recognition and translocation of cytosolically synthesized mitochondrial preproteins. Together with TOM22 functions as the transit peptide receptor at the surface of the mitochondrion outer membrane and facilitates the movement of preproteins into the TOM40 translocation pore.

**Sequence similarities**

Belongs to the Tom20 family.

**Cellular localization**

Mitochondrion outer membrane.

**Images**

Anti-TOMM20 antibody [EPR15581-39] - Mitochondrial Marker (ab186734) at 1/5000 dilution + HepG2 (Human liver hepatocellular carcinoma cell line) cell lysate at 20 µg

**Secondary**

Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugate at 1/1000 dilution

**Predicted band size**: 16 kDa

**Observed band size**: 16 kDa
Immunofluorescence analysis of paraformaldehyde-fixed HeLa (Human epithelial cell line from cervix adenocarcinoma) cells, labeling TOMM20 (green) with ab186734 at 1/250 dilution. Alexa Fluor®488-conjugated goat anti-rabbit IgG was used as a secondary antibody at 1/200 dilution. Nuclei were counterstained with DAPI (blue).

Immunohistochemical analysis of paraffin-embedded human endometrial adenocarcinoma tissue, labeling TOMM20 with ab186734 at 1/100 dilution. Detected using HRP polymer for Rabbit IgG and counterstained using hematoxylin.

Immunohistochemical analysis of paraffin-embedded mouse cardiac muscle tissue labeling TOMM20 with ab186734 at 1/100 dilution. Detected using HRP polymer for Rabbit IgG and counterstained using hematoxylin.
Western blot - Anti-TOMM20 antibody [EPR15581-39] - Mitochondrial Marker (ab186734) at 1/20000 dilution + HeLa (Human epithelial cell line from cervix adenocarcinoma) cell lysate at 20 µg

**Secondary**
Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugate at 1/1000 dilution

**Predicted band size:** 16 kDa
**Observed band size:** 16 kDa

Flow cytometry analysis of TOMM20 expression in NCI-H2228 (Human lung cancer cell line) cells using ab186734 at 1/40 dilution (pink) and a rabbit IgG as negative control (green).

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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