




## Product datasheet

# HRP Anti-TOMM20 antibody [EPR15581-39] - Mitochondrial Marker ab205796

Recombinant RabMAb

3 Images

### Overview

Product name	HRP Anti-TOMM20 antibody [EPR15581-39] - Mitochondrial Marker
Description	HRP Rabbit monoclonal [EPR15581-39] to TOMM20 - Mitochondrial Marker
Host species	Rabbit
Conjugation	HRP
Tested applications	<b>Suitable for:</b> IHC-P, WB
Species reactivity	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Mouse, Rat 
Immunogen	Recombinant fragment within Human TOMM20 aa 1 to the C-terminus. The exact immunogen sequence used to generate this antibody is proprietary information. If additional detail on the immunogen is needed to determine the suitability of the antibody for your needs, please <b><u>contact</u></b> our Scientific Support team to discuss your requirements. Database link: <b><u>Q15388</u></b>  <b><u>Run BLAST with</u></b>  <b><u>Run BLAST with</u></b>
Positive control	WB: HepG2, HeLa cell lysates. IHC-P: FFPE normal human colon tissue sections.
General notes	This product is a recombinant monoclonal antibody, which offers several advantages including: - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production For more information <b><u>see here</u></b> . Our RabMAb <sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <b><u>RabMAb<sup>®</sup> patents</u></b> .

### Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Avoid freeze / thaw cycle. Store In the Dark.

<b>Storage buffer</b>	pH: 7.40 Preservative: 0.1% Proclin 300 Solution Constituents: PBS, 30% Glycerol (glycerin, glycerine), 1% BSA
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EPR15581-39
<b>Isotype</b>	IgG

## Applications

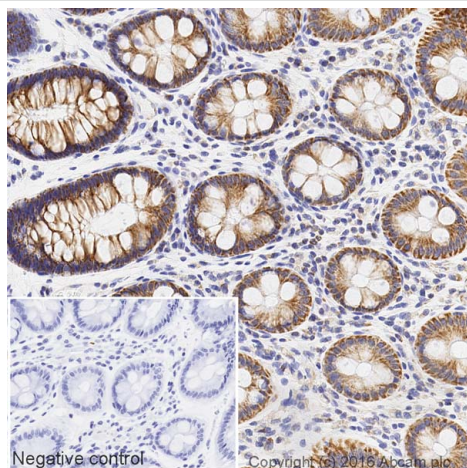
**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab205796 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
<b>IHC-P</b>		1/250. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
<b>WB</b>		1/5000. Detects a band of approximately 15 kDa (predicted molecular weight: 16 kDa).

## Target

<b>Function</b>	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.
<b>Sequence similarities</b>	Belongs to the Tom20 family.
<b>Cellular localization</b>	Mitochondrion outer membrane.

## Images



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - HRP Anti-TOMM20 antibody [EPR15581-39] - Mitochondrial Marker (ab205796)

IHC image of TOMM20 staining in a section of formalin-fixed paraffin-embedded normal human colon\*, performed on a Leica BOND™. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH6, epitope retrieval solution 1) for 20mins. The section was then incubated with ab205796, 1/250 dilution, for 15 mins at room temperature. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX. The inset negative control image is taken from an identical assay without primary antibody.

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.

*\*Tissue obtained from the Human Research Tissue Bank, supported by the NIHR Cambridge Biomedical Research Centre*



Western blot - HRP Anti-TOMM20 antibody [EPR15581-39] - Mitochondrial Marker (ab205796)

**All lanes :** HRP Anti-TOMM20 antibody [EPR15581-39] - Mitochondrial Marker (ab205796) at 1/5000 dilution

**Lane 1 :** HepG2 (Human hepatocellular liver carcinoma cell line) Whole Cell Lysate

**Lane 2 :** HeLa (Human epithelial carcinoma cell line) Whole Cell Lysate

Lysates/proteins at 10 µg per lane.

Developed using the ECL technique.

Performed under reducing conditions.

**Predicted band size:** 16 kDa

**Observed band size:** 15 kDa

**Exposure time:** 1 minute

This blot was produced using a 4-12% Bis-tris gel under the MES buffer system. The gel was run at 200V for 35 minutes before being transferred onto a Nitrocellulose membrane at 30V for 70 minutes. The membrane was then blocked for an hour using 3% milk before being incubated with ab205796 overnight at 4°C. Antibody binding was visualised using ECL development solution **ab133406**.

### Why choose a recombinant antibody?



**Research with confidence**  
Consistent and reproducible results



**Long-term and scalable supply**  
Recombinant technology



**Success from the first experiment**  
Confirmed specificity



**Ethical standards compliant**  
Animal-free production

HRP Anti-TOMM20 antibody [EPR15581-39] -  
Mitochondrial Marker (ab205796)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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