

## Product datasheet

# Anti-TTC19 antibody [EPR13184-63] ab181191

Recombinant RabMAb

4 Images

### Overview

<b>Product name</b>	Anti-TTC19 antibody [EPR13184-63]
<b>Description</b>	Rabbit monoclonal [EPR13184-63] to TTC19
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB, IP, ICC/IF
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Recombinant fragment within Human TTC19 aa 250 to the C-terminus. The exact sequence is proprietary. Database link: <a href="#">Q6DKK2</a>
<b>Positive control</b>	Human ovarian cancer and HT-1080 cell lysates, HT-1080 cells.
<b>General notes</b>	

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 [see here](#).

Our RabMAb<sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to [RabMAb<sup>®</sup> patents](#).

Reproducibility is key to advancing scientific discovery and accelerating scientists' next breakthrough.

Abcam is leading the way with our range of recombinant antibodies, knockout-validated antibodies and knockout cell lines, all of which support improved reproducibility.

We are also planning to innovate the way in which we present recommended applications and species on our product datasheets, so that only applications & species that have been tested in our own labs, our suppliers or by selected trusted collaborators are covered by our Abpromise<sup>™</sup> guarantee.

In preparation for this, we have started to update the applications & species that this product is Abpromise guaranteed for.

We are also updating the applications & species that this product has been "predicted to work

with," however this information is not covered by our Abpromise guarantee.

Applications & species from publications and Abreviews that have not been tested in our own labs or in those of our suppliers are not covered by the Abpromise guarantee.

Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, as well as customer reviews and Q&As.

## Properties

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<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
<b>Purity</b>	Tissue culture supernatant
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EPR13184-63
<b>Isotype</b>	IgG

## Applications

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Our [Abpromise guarantee](#) covers the use of **ab181191** 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
WB		1/1000 - 1/10000. Detects a band of approximately 35 kDa (predicted molecular weight: 42 kDa).
IP		1/20 - 1/40.
ICC/IF		1/50 - 1/100.

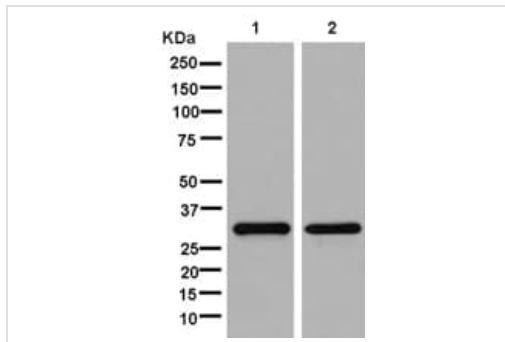
## Target

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<b>Function</b>	Mitochondrial protein required for formation of the mitochondrial complex III (PubMed:21278747). May also be required for the abscission step in cytokinesis, possibly regulating the ESCRT-III complex via its interaction with CHMP4B (PubMed:20208530). However, the involvement in cytokinesis requires additional experimental evidence.
<b>Involvement in disease</b>	Mitochondrial complex III deficiency, nuclear 2
<b>Sequence similarities</b>	Belongs to the TTC19 family. Contains 5 TPR repeats.
<b>Cellular localization</b>	Mitochondrion inner membrane. Cytoplasm > cytoskeleton > microtubule organizing center > centrosome. Midbody. According to some authors, localizes to the centrosome during all stages of the cell cycle and is recruited to the midbody during cytokinesis (PubMed:20208530). However,

the midbody localization could not be confirmed by others.

## Images



Western blot - Anti-TTC19 antibody [EPR13184-63] (ab181191)

**All lanes** : Anti-TTC19 antibody [EPR13184-63] (ab181191) at 1/5000 dilution

**Lane 1** : Human ovarian cancer lysate

**Lane 2** : HT-1080 lysate

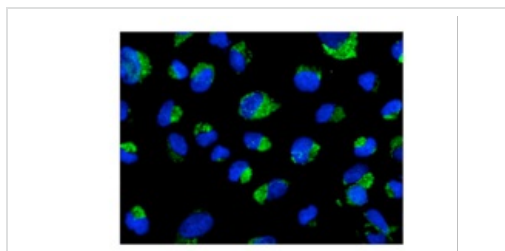
Lysates/proteins at 20 µg per lane.

### Secondary

**All lanes** : Goat Anti-Rabbit IgG H&L (HRP) (ab136636) at 1/500 dilution

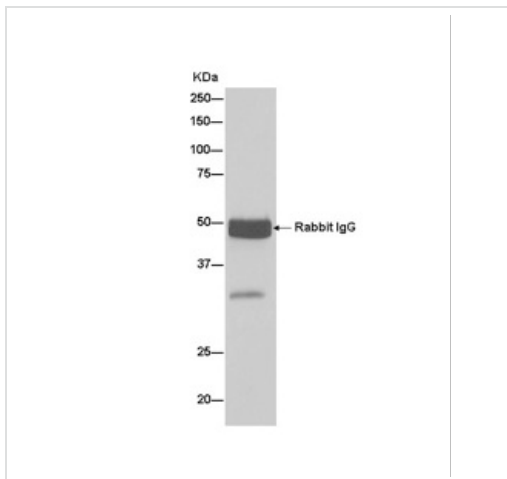
**Predicted band size:** 42 kDa

**Additional bands at:** 35 kDa (possible mature (processed) protein)



Immunocytochemistry/ Immunofluorescence - Anti-TTC19 antibody [EPR13184-63] (ab181191)





Immunocytochemical analysis of HT-1080 cells fixed in 4% paraformaldehyde labeling TTC19 with ab181191 at 1/100 dilution and Goat anti rabbit IgG (Alexa Fluor® 488) at 1/200 dilution (green). Counterstained with DAPI (blue)



Immunoprecipitation of HT-1080 cells labeling TTC19 with ab181191 at 1/50 dilution and Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution.

Immunoprecipitation - Anti-TTC19 antibody  
[EPR13184-63] (ab181191)

Why choose a recombinant antibody?

 <p><b>Research with confidence</b> Consistent and reproducible results</p>	 <p><b>Long-term and scalable supply</b> Recombinant technology</p>
 <p><b>Success from the first experiment</b> Confirmed specificity</p>	 <p><b>Ethical standards compliant</b> Animal-free production</p>

Anti-TTC19 antibody [EPR13184-63] (ab181191)

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

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- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

## Terms and conditions

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- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors