

Product datasheet

Anti-TIMM17A/TIM17 antibody [EPR16098] ab192246

Recombinant RabMAb

★★★★☆ 5 Abreviews 5 Images

Overview

Product name	Anti-TIMM17A/TIM17 antibody [EPR16098]
Description	Rabbit monoclonal [EPR16098] to TIMM17A/TIM17
Host species	Rabbit
Tested applications	Suitable for: ICC/IF, IP, WB
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	within Human TIMM17A/TIM17 aa 150 to the C-terminus. The exact sequence is proprietary. Database link: Q99595
Positive control	HeLa, K562, Raw264.7, PC-12 and NIH/3T3 cell lysates; HeLa cells.
General notes	

This product was previously labelled as TIMM17A

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[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to [RabMAb[®] 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[™] 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

Form	Liquid
Storage instructions	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.
Storage buffer	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 0.05% BSA, 40% Glycerol (glycerin, glycerine)
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR16098
Isotype	IgG

Applications

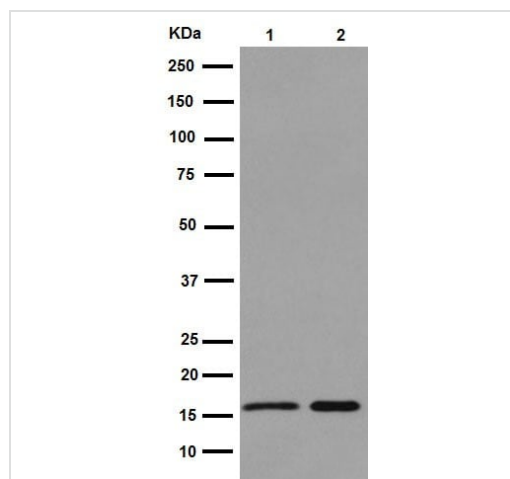
Our [Abpromise guarantee](#) covers the use of **ab192246** in the following tested applications.

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

Application	Abreviews	Notes
ICC/IF		1/50.
IP		1/40.
WB		1/1000. Detects a band of approximately 17 kDa (predicted molecular weight: 18 kDa).

Target

Function	Essential component of the TIM23 complex, a complex that mediates the translocation of transit peptide-containing proteins across the mitochondrial inner membrane.
Sequence similarities	Belongs to the Tim17/Tim22/Tim23 family.
Cellular localization	Mitochondrion inner membrane.



Western blot - Anti-TIMM17A/TIM17 antibody [EPR16098] (ab192246)

All lanes : Anti-TIMM17A/TIM17 antibody [EPR16098] (ab192246) at 1/1000 dilution

Lane 1 : HeLa cell lysate

Lane 2 : K562 cell lysate

Lysates/proteins at 20 µg per lane.

Secondary

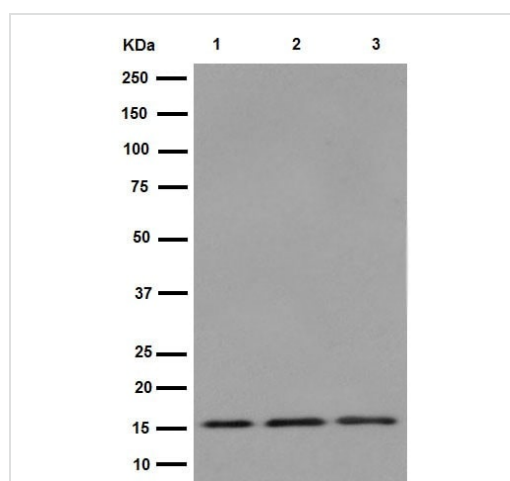
All lanes : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

Predicted band size: 18 kDa

Observed band size: 17 kDa

[why is the actual band size different from the predicted?](#)

Blocking/Dilution buffer: 5% NFDM /TBST.



Western blot - Anti-TIMM17A/TIM17 antibody [EPR16098] (ab192246)

All lanes : Anti-TIMM17A/TIM17 antibody [EPR16098] (ab192246) at 1/1000 dilution

Lane 1 : Raw264.7 cell lysate

Lane 2 : PC-12 cell lysate

Lane 3 : NIH/3T3 cell lysate

Lysates/proteins at 10 µg per lane.

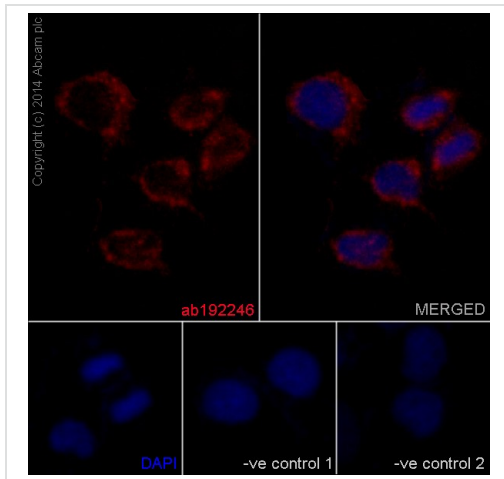
Secondary

All lanes : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

Predicted band size: 18 kDa

Observed band size: 17 kDa [why is the actual band size different from the predicted?](#)

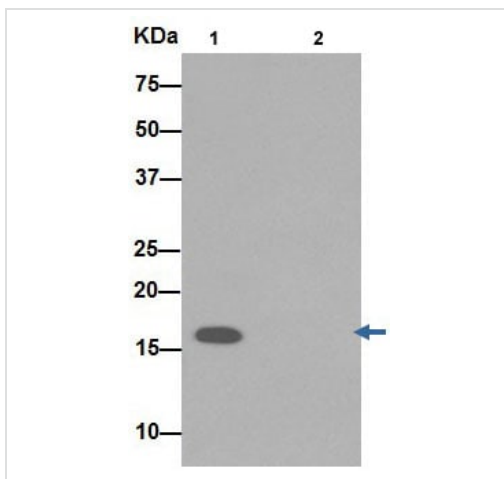
Blocking/Dilution buffer: 5% NFDM /TBST.



Immunocytochemistry/ Immunofluorescence - Anti-TIMM17A/TIM17 antibody [EPR16098] (ab192246)

Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0.1% tritonX-100 permeabilized HeLa cells labeling TIMM17A/TIM17 with ab192246 at 1/50 dilution (11.7 $\mu\text{g/ml}$), followed by Goat anti rabbit IgG (Alexa Fluor® 555) secondary antibody (ab150078) at 1/500 dilution. Nuclear counter stain Dapi (blue).

The two negative controls are ab192246 at 1/50 dilution followed by (Goat anti mouse IgG (Alexa Fluor®488) secondary antibody at 1/200 dilution.



Immunoprecipitation - Anti-TIMM17A/TIM17 antibody [EPR16098] (ab192246)

Western blot analysis of TIMM17A/TIM17 in HeLa cell lysates immunoprecipitated using ab192246 at 1/40 dilution (Lane 1). Lane 2: PBS instead of HeLa lysate.

Secondary antibody: Anti-Rabbit IgG (HRP), specific to the non-reduced form of IgG at 1/1500 dilution.

Blocking/Dilution buffer: 5% NFDM /TBST.

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

Anti-TIMM17A/TIM17 antibody [EPR16098]

(ab192246)

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

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