

Product datasheet

Anti-TRM1 antibody [EPR25054-72] ab283652

KO VALIDATED

Recombinant

RabMAb

★★★★☆ 1 Abreviews 4 Images

Overview

Product name	Anti-TRM1 antibody [EPR25054-72]
Description	Rabbit monoclonal [EPR25054-72] to TRM1
Host species	Rabbit
Tested applications	Suitable for: WB Unsuitable for: Flow Cyt, ICC/IF, IHC-P or IP
Species reactivity	Reacts with: Rat, Human
Immunogen	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
Positive control	WB: Wild-type HEK293T, HeLa, Hela transfected with TRM1 siRNA 1 and Hela transfected with TRM1 siRNA 2, and Rat testis lysates.
General notes	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p>

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.
Storage buffer	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR25054-72

IsotypeIgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab283652 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)	1/1000. Predicted molecular weight: 48 kDa.

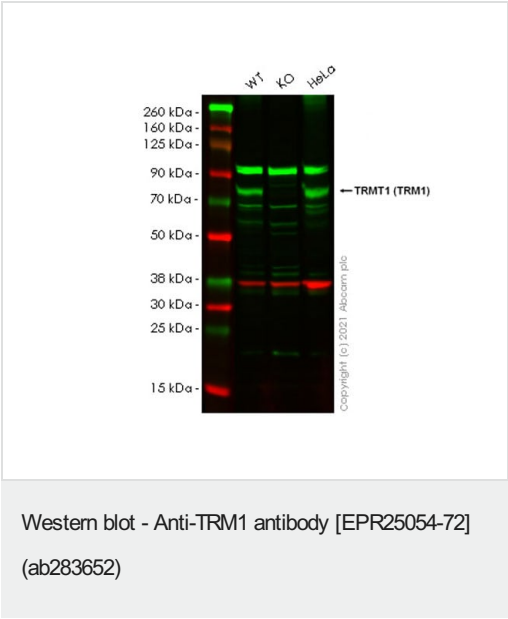
Application notes Is unsuitable for Flow Cyt,ICC/IF,IHC-P or IP.

Target

Function Dimethylates a single guanine residue at position 26 of most tRNAs using S-adenosyl-L-methionine as donor of the methyl groups.

Sequence similarities Contains 1 C3H1-type zinc finger.

Images



All lanes : Anti-TRM1 antibody [EPR25054-72] (ab283652) at 1/1000 dilution

Lane 1 : Wild-type HEK293T (human embryonic kidney epithelial cell) whole cell lysate

Lane 2 : TRM1 knockout HEK293T (**ab266705**) whole cell lysate

Lane 3 : HeLa (human cervix adenocarcinoma epithelial cell) whole cell lysate

Lysates/proteins at 20 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (IRDye® 800CW) (**ab216773**) and Goat Anti-Mouse IgG H&L (IRDye® 680RD) (**ab216776**) at 1/10000 dilution

Predicted band size: 48 kDa

Observed band size: 75 kDa

Blocking and diluting buffer and concentration: Intercept® (TBS)
Blocking Buffer diluted with an equal volume of 0.1% TBS.

Lanes 1-3: Merged signal (red and green). Green - ab283652 observed at 75 kDa. Red - loading control **ab8245** observed at 36 kDa. ab283652 Anti-TRM1 antibody [EPR25054-72] was shown to specifically react with TRM1 in wild-type HEK293T cells. Loss of signal was observed when knockout cell line **ab266705** (knockout cell lysate **ab258252**) was used. Wild-type and TRM1 knockout samples were subjected to SDS-PAGE. ab283652 and Anti-GAPDH antibody [6C5] - Loading Control (**ab8245**) were incubated overnight at 4°C at 1/1000 dilution and 1/20000 dilution respectively. Blots were developed with Goat anti-Rabbit IgG H&L (IRDye® 800CW) preadsorbed (**ab216773**) and Goat anti-Mouse IgG H&L (IRDye® 680RD) preadsorbed (**ab216776**) secondary antibodies at 1/10000 dilution for 1 hour at room temperature before imaging.

The bands nearby 100 kDa could be non-specific bands.

All lanes : Anti-TRM1 antibody [EPR25054-72] (ab283652) at 1/1000 dilution

Lane 1 : HeLa (human cervix adenocarcinoma epithelial cell)

transfected with scrambled siRNA control whole cell lysate at 20 µg

Lane 2 : Hela transfected with TRM1 siRNA 1 whole cell lysate at 40 µg

Lane 3 : Hela transfected with TRM1 siRNA 2 whole cell lysate at 40 µg

Secondary

All lanes : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (**ab97051**) at 1/10000 dilution

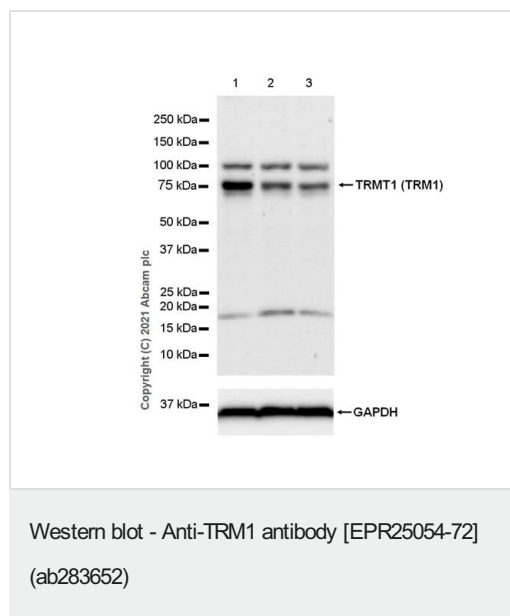
Predicted band size: 48 kDa

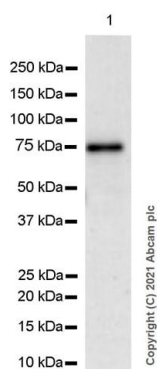
Observed band size: 75 kDa

Blocking and diluting buffer and concentration: 5% NFDm/TBST

The bands nearby 100 kDa and 17 kDa could be non-specific bands.

Exposure time: 48 seconds





Western blot - Anti-TRM1 antibody [EPR25054-72] (ab283652)

Anti-TRM1 antibody [EPR25054-72] (ab283652) at 1/1000 dilution
+ Rat testis tissue lysate at 20 µg

Secondary

Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated ([ab97051](#)) at 1/100000 dilution

Predicted band size: 48 kDa

Observed band size: 75 kDa

Blocking and diluting buffer and concentration: 5% NFDM/TBST

Exposure time: 3 minutes

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-TRM1 antibody [EPR25054-72] (ab283652)

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

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