

Product datasheet

Anti-TXNDC9 antibody [EPR15239] ab191405

KO VALIDATED

Recombinant

RabMAB

7 Images

Overview

Product name	Anti-TXNDC9 antibody [EPR15239]
Description	Rabbit monoclonal [EPR15239] to TXNDC9
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P, ICC/IF
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	WB: HeLa, K562, Jurkat, Raji, SW480, C6, Raw264.7 and NIH/3T3 cell lysates. IHC-P: Human squamous cell carcinoma of cervix tissue. ICC/IF: SW480 cells.
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 long term. Avoid freeze / thaw cycle.
Storage buffer	<p>pH: 7.2</p> <p>Preservative: 0.01% Sodium azide</p> <p>Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA</p>
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR15239
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab191405 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 27 kDa (predicted molecular weight: 27 kDa).
IHC-P		1/50 - 1/100. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
ICC/IF		1/400.

Target

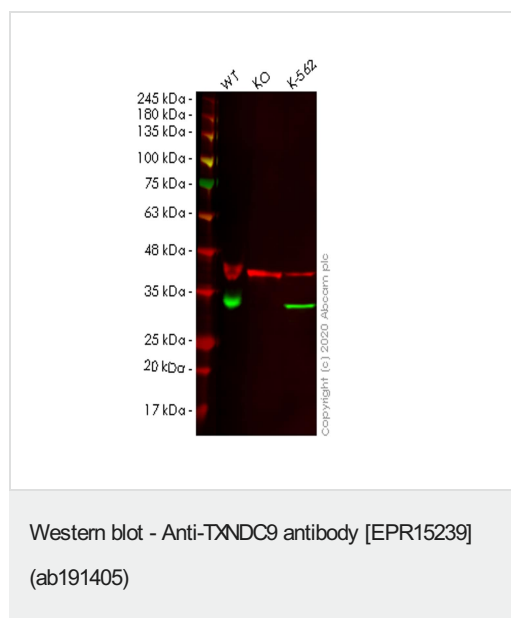
Function

Significantly diminishes the chaperonin TCP1 complex ATPase activity, thus negatively impacts protein folding, including that of actin or tubulin.

Sequence similarities

Contains 1 thioredoxin domain.

Images



All lanes : Anti-TXNDC9 antibody [EPR15239] (ab191405) at 1/1000 dilution

Lane 1 : Wild-type HeLa cell lysate

Lane 2 : TXNDC9 knockout HeLa cell lysate

Lane 3 : K-562 cell lysate

Lysates/proteins at 20 µg per lane.

Secondary

All lanes : Goat anti-Rabbit IgG H&L (IRDye® 800CW) preadsorbed (**ab216773**) at 1/10000 dilution

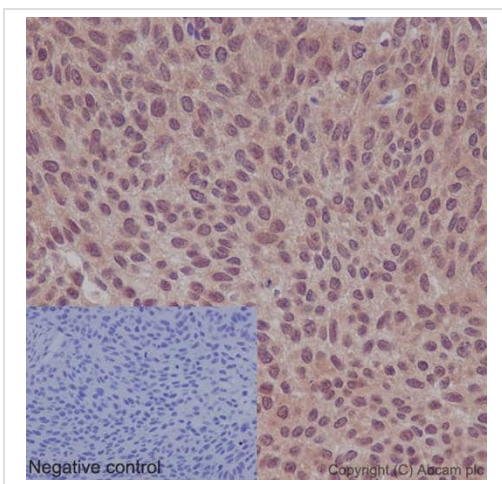
Predicted band size: 27 kDa

Observed band size: 27 kDa

Lanes 1-3: Merged signal (red and green). Green - ab191405 observed at 27 kDa. Red - loading control **ab8245** observed at 36

kDa.

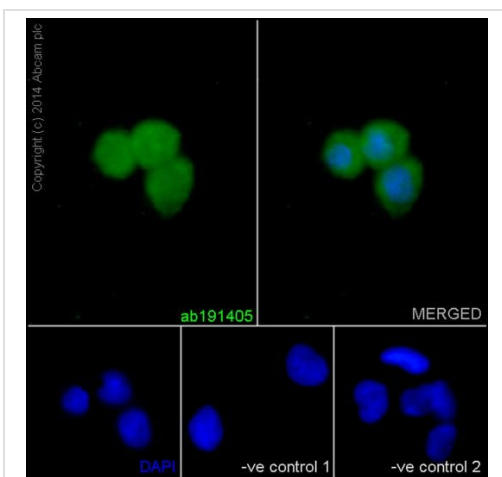
ab191405 Anti-TXNDC9 antibody [EPR15239] was shown to specifically react with TXNDC9 in wild-type HeLa cells. Loss of signal was observed when knockout cell line [ab265420](#) (knockout cell lysate [ab258257](#)) was used. Wild-type and TXNDC9 knockout samples were subjected to SDS-PAGE. ab191405 and Anti-GAPDH antibody [6C5] - Loading Control ([ab8245](#)) were incubated at room temperature for 2.5 hours at 1 in 1000 dilution and 1 in 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 in 20000 dilution for 1 hour at room temperature before imaging.



Immunohistochemical analysis of paraffin-embedded Human squamous cell carcinoma of cervix tissue labeling TXNDC9 with ab191405 at 1/100 dilution, followed by prediluted HRP Polymer for Rabbit/Mouse IgG. Counter stained with Hematoxylin. In the negative control PBS was used instead of primary antibody.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

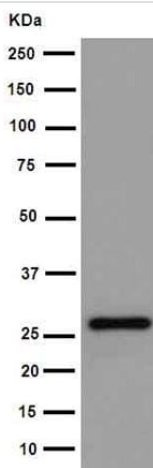
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TXNDC9 antibody [EPR15239] (ab191405)



Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0.1% tritonX-100 permeabilized SW480 cells labeling TXNDC9 with ab191405 at 1/400 dilution, followed by Goat anti-rabbit IgG (Alexa Fluor[®]488) secondary antibody ([ab150077](#)) at 1/200 dilution. Nuclear counter stain DAPI (blue).

The two negative controls used anti-TXNDC9 primary antibody at 1/200 dilution followed by Goat anti-mouse IgG (Alexa Fluor[®]594) secondary antibody at 1/400 dilution.

Immunocytochemistry/ Immunofluorescence - Anti-TXNDC9 antibody [EPR15239] (ab191405)



Western blot - Anti-TXNDC9 antibody [EPR15239]
(ab191405)

Anti-TXNDC9 antibody [EPR15239] (ab191405) at 1/10000 dilution + K562 cell lysate at 20 µg

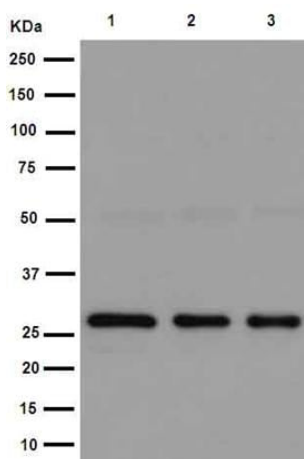
Secondary

Goat anti-rabbit IgG, (H+L), peroxidase conjugated at 1/1000 dilution

Predicted band size: 27 kDa

Observed band size: 27 kDa

Blocking/Dilution buffer: 5% NFDM/TBST.



Western blot - Anti-TXNDC9 antibody [EPR15239]
(ab191405)

All lanes : Anti-TXNDC9 antibody [EPR15239] (ab191405) at 1/1000 dilution

Lane 1 : Jurkat cell lysate

Lane 2 : Raji cell lysate

Lane 3 : SW80 cell lysate

Lysates/proteins at 20 µg per lane.

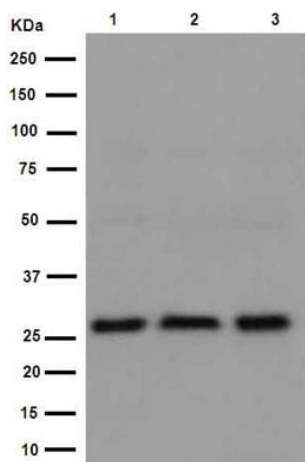
Secondary

All lanes : Goat anti-rabbit IgG, (H+L), peroxidase conjugated at 1/1000 dilution

Predicted band size: 27 kDa

Observed band size: 27 kDa

Blocking/Dilution buffer: 5% NFDM/TBST.



Western blot - Anti-TXNDC9 antibody [EPR15239] (ab191405)

All lanes : Anti-TXNDC9 antibody [EPR15239] (ab191405) at 1/1000 dilution

Lane 1 : C6 cell lysate

Lane 2 : Raw264.7 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: 27 kDa

Observed band size: 27 kDa

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-TXNDC9 antibody [EPR15239] (ab191405)

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

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