

## Product datasheet

# Anti-TXNDC9 antibody [EPR15239] ab191405

Recombinant **RabMAb**

[5 Images](#)

### Overview

<b>Product name</b>	Anti-TXNDC9 antibody [EPR15239]
<b>Description</b>	Rabbit monoclonal [EPR15239] to TXNDC9
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB, IHC-P, ICC/IF
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Rat, Human
<b>Immunogen</b>	Synthetic peptide within Human TXNDC9 aa 100-200. The exact sequence is proprietary. Database link: <a href="#">O14530</a>
<b>Positive control</b>	K562, Jurkat, Raji, SW480, C6, Raw264.7 and NIH/3T3 cell lysates: Human squamous cell carcinoma of cervix tissue: SW480 cells.

### General notes

Previously labelled as Thioredoxin domain containing 9.

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](#).

### Properties

<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, 0.05% BSA
<b>Purity</b>	Protein A purified

<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EPR15239
<b>Isotype</b>	IgG

## Applications

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.

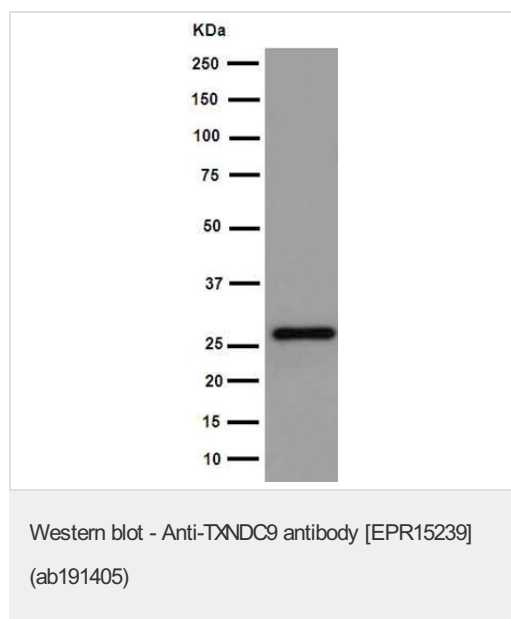
Application	Abreviews	Notes
WB		1/1000 - 1/10000. Detects a band of approximately 27 kDa (predicted molecular weight: 27 kDa).
IHC-P		1/50 - 1/100. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
ICC/IF		1/400.

## 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



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

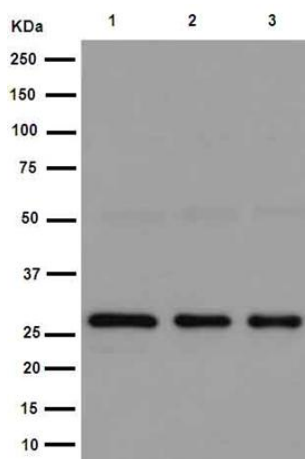
### Secondary

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% NFD/MTBST.



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.

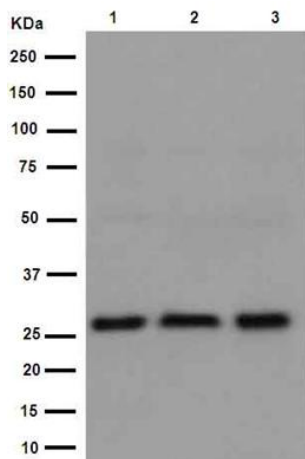
**Secondary**

**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.

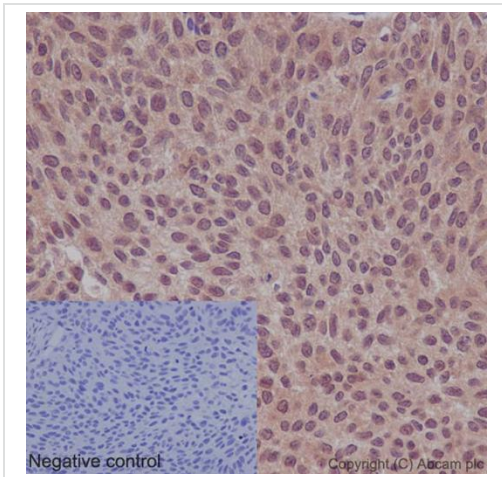
**Secondary**

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

**Predicted band size:** 27 kDa

**Observed band size:** 27 kDa

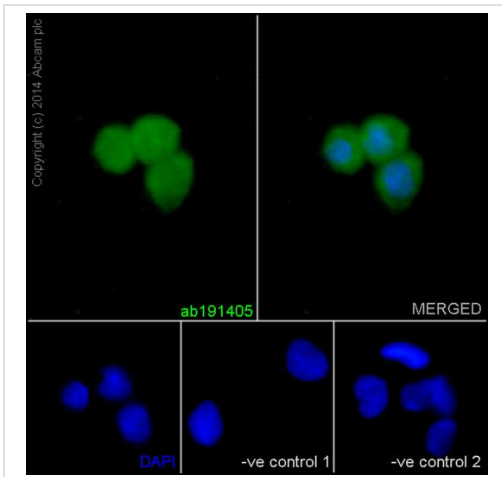
Blocking/Dilution buffer: 5% NFDM/TBST.



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)

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

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