


Product datasheet

Anti-TTC11/FIS1 antibody ab96764

★★★★★ [2 Abreviews](#) [21 References](#) [3 Images](#)

Overview

Product name	Anti-TTC11/FIS1 antibody
Description	Rabbit polyclonal to TTC11/FIS1
Host species	Rabbit
Tested applications	Suitable for: ICC/IF, WB, IHC-P
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat, Cow 
Immunogen	Recombinant fragment corresponding to Human TTC11/FIS1 aa 1-122. Database link: NP_057152
Positive control	Raji whole cell lysate; NCIN87 xenograft; 293T, HeLa and Molt-4 lysates
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>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, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Storage buffer	pH: 7.00 Preservative: 0.025% Proclin 300 Constituents: 79% PBS, 20% Glycerol (glycerin, glycerine)
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab96764 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)	Use a concentration of 1 µg/ml.
WB	★★★★★ (1)	1/500 - 1/3000. Predicted molecular weight: 17 kDa.
IHC-P		1/100 - 1/500.

Target

Function

Promotes the fragmentation of the mitochondrial network and its perinuclear clustering. Can induce cytochrome c release from the mitochondrion to the cytosol, ultimately leading to apoptosis. Also mediates peroxisomal fission.

Sequence similarities

Belongs to the FIS1 family.
Contains 1 TPR repeat.

Domain

The C-terminus is required for mitochondrial or peroxisomal localization, while the N-terminus is necessary for mitochondrial or peroxisomal fission, localization and regulation of the interaction with DNM1L.

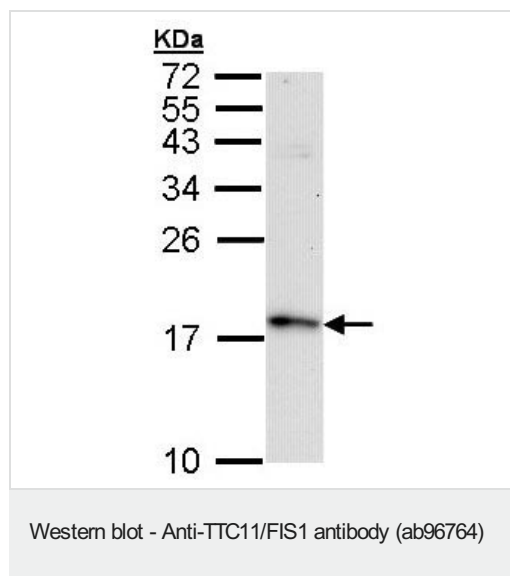
Post-translational modifications

Ubiquitinated by MARCH5.

Cellular localization

Mitochondrion outer membrane. Peroxisome membrane.

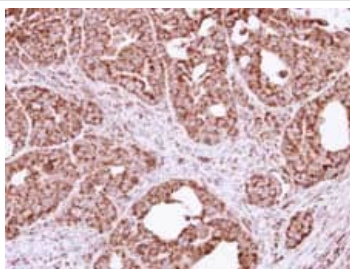
Images



Anti-TTC11/FIS1 antibody (ab96764) at 1/10000 dilution + Raji whole cell lysate at 30 µg

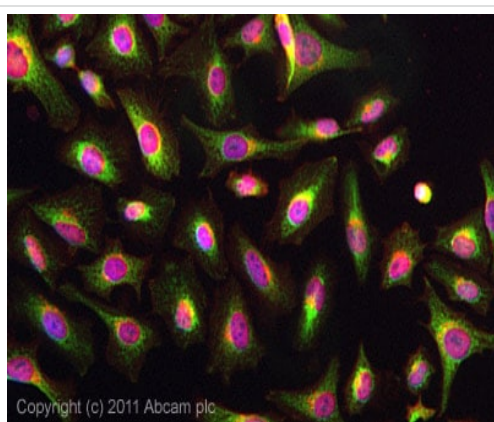
Predicted band size: 17 kDa

15% SDS-PAGE



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TTC11/FIS1 antibody (ab96764)

Immunohistochemical analysis of TTC11/FIS1 in paraffin-embedded NCIN87 xenograft, using ab96764 antibody at 1/100 dilution.



Immunocytochemistry/ Immunofluorescence - Anti-TTC11/FIS1 antibody (ab96764)

ICC/IF image of ab96764 stained HeLa cells. The cells were 4% formaldehyde fixed (10 min) and then incubated in 1%BSA / 10% normal goat serum / 0.3M glycine in 0.1% PBS-Tween for 1h to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody (ab96764, 1µg/ml) overnight at +4°C. The secondary antibody (green) was **ab96899**, DyLight® 488 goat anti-rabbit IgG (H+L) used at a 1/250 dilution for 1h. Alexa Fluor® 594 WGA was used to label plasma membranes (red) at a 1/200 dilution for 1h. DAPI was used to stain the cell nuclei (blue) at a concentration of 1.43µM.

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

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