


Product datasheet

Anti-TTC11/FIS1 antibody [EPR8412] ab156865

Recombinant RabMAb

★★★★★ [3 Abreviews](#) [9 References](#) [3 Images](#)

Overview

Product name	Anti-TTC11/FIS1 antibody [EPR8412]
Description	Rabbit monoclonal [EPR8412] to TTC11/FIS1
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P
Species reactivity	Reacts with: Human Predicted to work with: Cow 
Immunogen	Synthetic peptide within Human TTC11/FIS1. The exact sequence is proprietary. Database link: Q9Y3D6
Positive control	IHC: human kidney WB: Jurkat , Raji, HEK-293 cell lysates
General notes	<p>We are constantly working hard to ensure we provide our customers with best in class antibodies. As a result of this work we are pleased to now offer this antibody in purified format. We are in the process of updating our datasheets. The purified format is designated 'PUR' on our product labels. If you have any questions regarding this update, please contact our Scientific Support team.</p> <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> <p>Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

Storage buffer	pH: 7.20 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR8412
Isotype	IgG

Applications

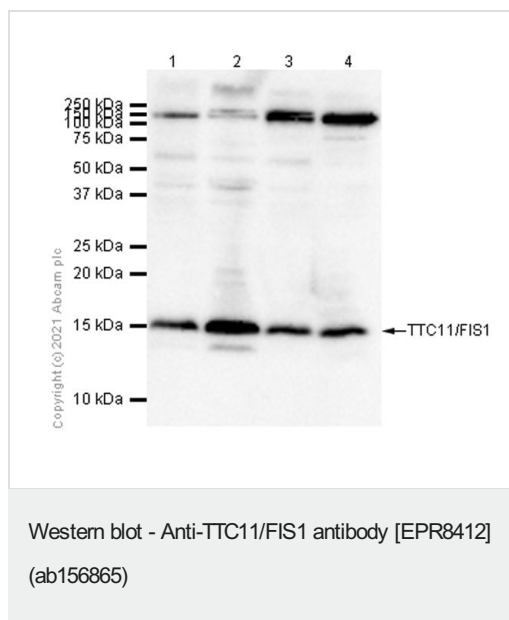
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab156865 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB	★★★★★ (3)	1/10000. Detects a band of approximately 15 kDa (predicted molecular weight: 17 kDa).
IHC-P		1/8000. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.

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



All lanes : Anti-TTC11/FIS1 antibody [EPR8412] (ab156865) at 1/10000 dilution (Purified)

Lane 1 : Jurkat (Human T cell leukemia T lymphocyte) whole cell lysate

Lane 2 : Raji (Human Burkitt's lymphoma B lymphocyte) whole cell lysate

Lane 3 : HEK-293 (Human embryonic kidney epithelial cell) whole cell lysate

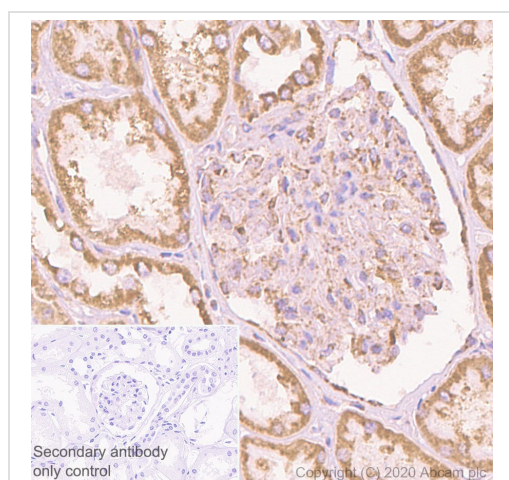
Lane 4 : HepG2 (Human hepatocellular carcinoma epithelial cell) whole cell lysate

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/20000 dilution

Predicted band size: 17 kDa

Observed band size: 15 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-TTC11/FIS1 antibody [EPR8412] (ab156865)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human kidney tissue sections labeling TTC11/FIS1 with Purified ab156865 at 1/8000 dilution (0.08 µg/mL). Heat mediated antigen retrieval was performed using Heat mediated antigen retrieval using Bond™ Epitope Retrieval Solution 2 (pH 9.0) . Tissue was counterstained with Hematoxylin. Rabbit specific IHC polymer detection kit HRP/DAB ([ab209101](#)) secondary antibody was used at 1/0 dilution. PBS instead of the primary antibody was used as the negative control. M3

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-TTC11/FIS1 antibody [EPR8412] (ab156865)

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

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