

**TTC11 Antibody**  
Rabbit mAb  
Catalog # AP92009

## Specification

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### TTC11 Antibody - Product Information

Application	WB, IHC, ICC
Primary Accession	<a href="#">O9Y3D6</a>
Clonality	Monoclonal
<b>Other Names</b>	
CGI135; FIS1; hFis1; TTC 11;	
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	16938 Da

### TTC11 Antibody - Additional Information

Purification	<b>Affinity-chromatography</b>
Immunogen	<b>A synthesized peptide derived from human TTC11</b>
Description	<b>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.</b>
Storage Condition and Buffer	<b>Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.</b>

### TTC11 Antibody - Protein Information

**Name** FIS1

**Synonyms** TTC11

#### Function

Involved in the fragmentation of the mitochondrial network and its perinuclear clustering (PubMed: [12783892](http://www.uniprot.org/citations/12783892), PubMed: [12861026](http://www.uniprot.org/citations/12861026), PubMed: [14996942](http://www.uniprot.org/citations/14996942), PubMed: [23283981](http://www.uniprot.org/citations/23283981)). Plays a minor role in the recruitment and association of the fission mediator dynamin-related protein 1 (DNM1L) to the mitochondrial surface and mitochondrial fission (PubMed: [12861026](http://www.uniprot.org/citations/12861026), PubMed: [16118244](http://www.uniprot.org/citations/16118244), PubMed: [16118244](http://www.uniprot.org/citations/16118244)).

<http://www.uniprot.org/citations/23283981> target="\_blank">23283981</a>, PubMed:<a href="http://www.uniprot.org/citations/23530241" target="\_blank">23530241</a>, PubMed:<a href="http://www.uniprot.org/citations/24196833" target="\_blank">24196833</a>). May not be essential for the assembly of functional fission complexes and the subsequent membrane scission event (PubMed:<a href="http://www.uniprot.org/citations/23530241" target="\_blank">23530241</a>, PubMed:<a href="http://www.uniprot.org/citations/24196833" target="\_blank">24196833</a>). Also mediates peroxisomal fission (PubMed:<a href="http://www.uniprot.org/citations/16107562" target="\_blank">16107562</a>). May act when the products of fission are directed toward mitochondrial homeostasis, mitophagy, or apoptosis (PubMed:<a href="http://www.uniprot.org/citations/24196833" target="\_blank">24196833</a>). Can induce cytochrome c release from the mitochondrion to the cytosol, ultimately leading to apoptosis (PubMed:<a href="http://www.uniprot.org/citations/12783892" target="\_blank">12783892</a>).

### Cellular Location

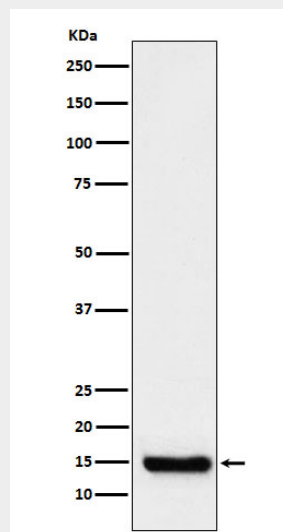
Mitochondrion outer membrane; Single-pass membrane protein. Peroxisome membrane; Single-pass membrane protein

### TTC11 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### TTC11 Antibody - Images



Western blot analysis of TTC11 expression in Raji cell lysate.