

# TTC11 Antibody

Rabbit mAb

Catalog # AP92009

## Product Information

<b>Application</b>	WB, IHC, IF, ICC, IHF
<b>Primary Accession</b>	<a href="#">Q9Y3D6</a>
<b>Reactivity</b>	Human, Bovine
<b>Clonality</b>	Monoclonal
<b>Other Names</b>	CGI135; FIS1; hFis1; TTC 11;
<b>Isotype</b>	Rabbit IgG
<b>Host</b>	Rabbit
<b>Calculated MW</b>	16938

## Additional Information

<b>Dilution</b>	WB 1:500~1:2000 IHC 1:50~1:200 ICC/IF 1:50~1:200
<b>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.

## Protein Information

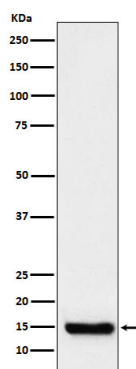
<b>Name</b>	FIS1
<b>Synonyms</b>	TTC11
<b>Function</b>	Involved in the fragmentation of the mitochondrial network and its perinuclear clustering (PubMed: <a href="#">12783892</a> , PubMed: <a href="#">12861026</a> , PubMed: <a href="#">14996942</a> , PubMed: <a href="#">23283981</a> ). Plays a minor role in the recruitment and association of the fission mediator dynamin-related protein 1 (DNM1L) to the mitochondrial surface and mitochondrial fission (PubMed: <a href="#">12861026</a> , PubMed: <a href="#">16118244</a> , PubMed: <a href="#">23283981</a> , PubMed: <a href="#">23530241</a> , PubMed: <a href="#">24196833</a> ). May not be essential for the assembly of functional fission complexes and the subsequent membrane scission event (PubMed: <a href="#">23530241</a> , PubMed: <a href="#">24196833</a> ). Also mediates peroxisomal fission (PubMed: <a href="#">16107562</a> ). May act when the products of fission are directed toward mitochondrial homeostasis, mitophagy, or apoptosis (PubMed: <a href="#">24196833</a> ). Can induce cytochrome c release from the mitochondrion to the cytosol, ultimately leading to apoptosis (PubMed: <a href="#">12783892</a> ).

## Cellular Location

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

## Images

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Western blot analysis of TTC11 expression in Raji cell lysate.

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